SUBJECT INDEX

Advection

Advective Acceleration and Mass Transport in Estuaries, Wu-Seng Lung, HY Sept. 86 p874-878.

Finite Element Characteristic Advection Model, John D. Wang, Stephen V. Cofer-Shabica and Joycelyn Chin Fatt, HY Sept. 88 p1098-1114.

Air entrainment

Helicoidal-Tamp Dropshaft, John F. Kennedy, Subhash C. Jain and R. Rafael Quinones, HY Mar. 88 p315-325.

Air flow

Two Characteristic Features of the Airflow Boundary Layer over Sand, Jim Wu, HY Oct. 86 p976-978.

Air water interactions

Air Transport in Vortex-Flow Drop-shafts, Subhash C. Jain, HY Dec. 88 p1485-1497.

Algorithms

Algorithm for Selective Withdrawal From Stratified Reservoir, Graeme C. Hocking, Bradford S. Sherman and John C. Patterson, HY July 88 p707-719.

Alluvial channels

Common Behavioral Trends in Alluvial Canals and Rivers, Shrikrishna V. Chitale, HY Jan. 88 p54-62.

Meander Flow Model I: Development, A. Jacob Odgaard, HY Dec. 86 p1117-1136.

Unsteady Sediment-Transport Modeling, Dennis A. Lyn, HY Jan. 87 p1-15.

Alluvial streams

Armoring and Sorting Simulation in Alluvial Rivers, M. Fazle Karim and Forrest M. Holly, HY Aug. 86 p705-715.

Analytical techniques

Analysis of Gradual Earth-Dam Failure, Vijay P. Singh and Panagiotis D. Scarlatos, HY Jan. 88 p21-42.

Asymptotic series

Time-Marching Approach for Pipe Steady Flows, Masashi Shimada, HY Nov. 88 p1301-1320.

Bank erosion

Riverbank Stability Analysis: I: Theory, Akode M. Osman and Colin R. Thorne, HY Feb. 88 p134-150.

Riverbank Stability Analysis. II: Applications, Colin R. Thorne and Akode M. Osman, HY Feb. 88 p151-172.

Bank stabilization

Computer-Aided Design for Channelization, Howard H. Chang and Zbig Osmolski, HY Nov. 88 p1379-1389.

Bars, riverine

Bar Form Resistance in Gravel-Bed Rivers, Richard D. Hey, HY Dec. 88 p1498-1508.

Basins

Optimal Jet-Mixer for Shallow Basins, Emad H. Imam, Abdelkawi Khalifa and John A. McCorquodale, HY Nov. 88 p1398-1415.

Bed load

Bedload Transport in Gravel-Bed Streams, Panayiotis Diplas, HY Mar. 87 p277-292.

Bed load movement

Stable Channels with Mobile Gravel Beds, Richard D. Hey and Colin R. Thorne, HY Aug. 86 p671-689.

Bed movements

Confinement and Bed-Friction Effects in Shallow Turbulent Mixing Layers, Vincent H. Chu and Sofia Babarutsi, HY Oct. 88 p1257-1274.

Bed ripples

Hydraulic Resistance of Ripples, Y. Lam Lau, HY Oct. 88 p1275-1282.

Beds

Critical Scour: New Bed Protection Design Method, Maarten B. de Groot, Abraham J. Bliek and Henk van Rossum, HY Oct. 88 p1227-1240.

Biodegradation

Biofouling Control at Water Intake Structures, Yusuf G. Mussalli, HY June 88 p616-625.

Boundary conditions

Turbulence Modeling of Surface Water Flow and Transport: Part II, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p992-1014.

Boundary layer

Two Characteristic Features of the Airflow Boundary Layer over Sand, Jim Wu, HY Oct. 86 p976-978.

Bridges, piers

Design Method for Local Scour at Bridge Piers, B. W. Melville and A. J. Sutherland, HY Oct. 88 p1210-1226.

Bubbles

Air Transport in Vortex-Flow Drop-shafts, Subhash C. Jain, HY Dec. 88 p1485-1497.

Buyoant jets

Horizontal Round Buoyant Jet in Shallow Water, Rodney J. Sobey, Archie J. Johnston and Richard D. Keane, HY Aug. 88 p910-929.

Canal design

Common Behavioral Trends in Alluvial Canals and Rivers, Shrikrishna V. Chitale, HY Jan. 88 p54-62.

Canals

Automatic Control of Canal Flow Using Linear Quadratic Regulator Theory, O. S. Balogun, M. Hubbard and J. J. DeVries, HY Jan. 88 p75-102.

Case reports

Turbulence Modeling of Surface Water Flow and Transport: Part II, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p992-1014.

Turbulence Modeling of Surface Water Flow and Transport: Part III, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1015-1033.

Cathodic protection

Biofouling Control at Water Intake Structures, Yusuf G. Mussalli, HY June 88 p616-625.

Cation exchange

Cation Exchange in Groundwater Solute Transport, Kenneth A. Rainwater, HY Feb. 88 p173-191.

Cavitation

Lessons from a Career in Hydraulics, James Daily, HY Sept. 86 p779-793.

Turbulent Boundary Layers in Vertical Curves, Shuhai Jiang, HY July 88 p783-797.

Channel beds

Computer-Aided Design for Channelization, Howard H. Chang and Zbig Osmolski, HY Nov. 88 p1377-1389.

Scour Channel Development After Spillway Failure, Misganaw Demissie, Vassilios Tsihrintziz, William C. Bogner and Nani G. Bhowmik, HY Aug. 88 p844-860.

Channel design

Computer-Aided Design for Channelization, Howard H. Chang and Zbig Osmolski, HY Nov. 88 p1377-1389.

Stable Channels with Mobile Gravel Beds, Richard D. Hey and Colin R. Thorne, HY Aug. 86 p671-689.

Channel flow

Confinement and Bed-Friction Effects in Shallow Turbulent Mixing Layers, Vincent H. Chu and Sofia Babarutsi, HY Oct. 88 p1257-1274.

Coriolis Generated Secondary Currents in Channels, Rolf Larsson, HY Aug. 86 p750-767.

Rationalized Energy-Loss Parameters for Channels, Arthur C. E. Knight, HY July 88 p757-765.

Channel morphology

Scour Channel Development After Spillway Failure, Misganaw Demissie, Vassilios Tsihrintziz, William C. Bogner and Nani G. Bhowmik, HY Aug. 88 p844-860.

Channels, waterways

Entropy and 2-D Velocity Distribution in Open Channels, Chao-Lin Chiu, HY July 88 p738-756.

Chlorination

Biofouling Control at Water Intake Structures, Yusuf G. Mussalli, HY June 88 p616-625.

Modeling and Optimization of Fixed-Nozzle Targeted Chlorination, Dominique N. Brocard, Yusuf Mussalli and Winston Chow, HY May 88 p544-556.

Clay liners

Application of Variably Saturated Flow Theory to Clay Cover Liners, Carol J. Miller and Steven J. Wright, HY Oct. 88 p1283-1300.

Coastal environment

Hydraulic Test of Streamer Sediment Trap, Julie Dean Rosati and Nicholas C. Kraus, HY Dec. 88 p1527-1532.

Cohesive sediment

Critical Shear Stress of Cohesive Bottom Sediments, Kuninori Otsubo and Kohji Muraoka, HY Oct. 88 p1241-1256.

Computation

Small Grid Testing of Finite Difference Transport Schemes, Richard A. Schmalz, Jr., HY Mar. 88 p329-336.

Computer models

Discrete Vortex Model of Jet-Forced Flow Inside Circular Reservoir, A. G. L. Borthwick, J. R. Chaplin and K. H. M. Ali, HY Mar. 88 p283-298.

Oil Slick Transport in Rivers, Hung Tao Shen and Poojitha D. Yapa, HY May 88 p529-543.

Computer software

Turbulence Modeling of Surface Water Flow and Transport: Part IV, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1034-1051.

Computerized design

Computer-Aided Design for Channelization, Howard H. Chang and Zbig Osmolski, HY Nov. 88 p1377-1389.

Computerized simulation

Kinematic Properties of Mudflows on Mt. St. Helens, Theodore E. Lang and Jimmie D. Dent, HY May 87 p646-660.

Conduits

Diversion Conduit and Low-Level Outlet for Punchina Dam, Fabio Villegas and Oscar Mejia, HY Apr. 88 p396-408.

Shape Effects on Flow Resistance in Horseshoe Conduits, Terry W. Sturm and David A. King, HY Nov. 88 p1416-1429.

Conferences

Third International Symposium on Stratified Flows, Gerhard Jirka and E. John List, HY Feb. 88 p125-133.

Confined water

Confinement and Bed-Friction Effects in Shallow Turbulent Mixing Layers, Vincent H. Chu and Sofia Babarutsi, HY Oct. 88 p1257-1274.

Control systems

Automatic Control of Canal Flow Using Linear

Quadratic Regulator Theory, O. S. Balogun, M. Hubbard and J. J. DeVries, HY Jan. 88 p75-102.

Cooling water

Alternative Water Screening for Thermal Power Plants, R. T. Richards, HY June 88 p578-597.

Design and Operation of Angled-Screen Intake, M. R. Anderson, J. A. DiVito and Y. G. Mussalli, HY June 88 p598-615.

Modeling and Optimization of Fixed-Nozzle Targeted Chlorination, Dominique N. Brocard, Yusuf Mussalli and Winston Chow, HY May 88 p544-556.

Passive Intake System for Shallow Sand-Bed River, J. Craig Johnson and Robert Ettema, HY June 88 p662-674.

Critical load

Critical Scour: New Bed Protection Design Method, Maarten B. de Groot, Abraham J. Bliek and Henk van Rossum, HY Oct. 88 p1227-1240.

Critical Shear Stress of Cohesive Bottom Sediments, Kuninori Otsubo and Kohji Muraoka, HY Oct. 88 p1241-1256.

Critical stress

Do Critical Stresses for Incipient Motion and Erosion Really Exist? J. William Lavelle and Harold O. Mofjeld, HY Mar. 87 p370-385.

Cross sections

Choke Angle in Supercritical Contractions, Richard J. Heggen, HY Apr. 88 p441-444.

Entropy and 2-D Velocity Distribution in Open Channels, Chao-Lin Chiu, HY July 88 p738-756.

Crossflow

Experimental Study of Cross-Flow Turbine, Shahram Khosrowpanah, A. A. Fiuzat and Maurice L. Albertson, HY Mar. 88 p299-314.

Curvature

Type Curves of Two-Regime Well Flow, Zekâi Sen, HY Dec. 88 p1461-1484.

Dam breaches

Analysis of Gradual Earth-Dam Failure, Vijay P. Singh and Panagiotis D. Scarlatos, HY Jan. 88 p21-42.

Dam-Breach Flood Wave Models, Ralph A. Wurbs, HY Jan. 87 p29-46.

Damage assessment

Karnafuli Project, Model Studies of Spillway Damage, C. Edward Bowers and Joel Toso, HY May 88 p469-483.

Dams

Plane Gate on Standard Spillway, Willi H. Hager and Roger Bremen, HY Nov. 88 p1390-1397.

Dams, earth

Analysis of Gradual Earth-Dam Failure, Vijay P. Singh and Panagiotis D. Scarlatos, HY Jan. 88 p21-42.

Debris

Alternative Water Screening for Thermal Power Plants, R. T. Richards, HY June 88 p578-597.

General Solutions for Viscoplastic Debris Flow, Cheng-lung Chen, HY Mar. 88 p259-282.

Generalized Viscoplastic Modeling of Debris Flow, Cheng-lung Chen, HY Mar. 88 p237-258.

Density currents

Modeling Sediment-Induced Density Currents in Sedimentation Basins, Bruce A. DeVantier and Bruce E. Larock, HY Jan. 87 p80-94.

Depth

Combining Open Channel Flow at Right Angled Junctions, Amruthur S. Ramamurthy, Luis B. Carballada and Duc Minh Tran, HY Dec. 88 p1449-1460.

Depths

Design Method for Local Scour at Bridge Piers, B. W. Melville and A. J. Sutherland, HY Oct. 88 p1210-1226.

Design

Design Method for Local Scour at Bridge Piers, B. W. Melville and A. J. Sutherland, HY Oct. 88 p1210-1226.

Design improvements

Critical Scour: New Bed Protection Design Method, Maarten B. de Groot, Abraham J. Bliek and Henk van Rossum, HY Oct. 88 p1227-1240.

Diffusers

Avoidance of Seawater Intrusion into Ports of Ocean Outfalls, David L. Wilkinson, HY Feb. 88 p218-228.

Diffusion

Finite Element Characteristic Advection Model, John D. Wang, Stephen V. Cofer-Shabica and Joycelyn Chin Fatt, HY Sept. 88 p1098-1114.

Suspension of Large Concentrations of Sands, H. S. Woo, P. Y. Julien and E. V. Richardson, HY Aug. 88 p888-898.

Discharge

Plane Gate on Standard Spillway, Willi H. Hager and Roger Bremen, HY Nov. 88 p1390-1397.

Prediction of Three-Dimensional Thermal Discharge Flows, G. D. Raithby, R. V. Elliott and B. R. Hutchinson, HY July 88 p720-737.

Discharge measurement

General Two-Point Method for Determining Velocity in Open Channel, John F. Walker, HY July 88 p801-805.

Dispersion

Effect of Bed and Side Roughness on Dispersion in Open Channels, Mahraj K. Magazine, Santosh K. Pathak and Pramod K. Pande, HY July 88 p766-782.

Diversion structures

Biological Evaluation of Angled-Screen Test Facil-

ity, John A. Matousek, Thomas E. Pease, John G. Holsapple and Ronald C. Roberts, HY June 88 p641-650.

Diversion Conduit and Low-Level Outlet for Punchiná Dam, Fabio Villegas and Oscar Mejia, HY Apr. 88 p396-408.

Effectiveness of Angled-Screen Intake System, Stephen J. Edwards, John Dembeck, Thomas E. Pease, Michael J. Skelly and David Rengert, HY June 88 p626-640.

Drop structures

Air Transport in Vortex-Flow Drop-shafts, Subhash C. Jain, HY Dec. 88 p1485-1497.

Helicoidal-Tamp Dropshaft, John F. Kennedy, Subhash C. Jain and R. Rafael Quinones, HY Mar. 88 p315-325.

Ducts

Turbulence Measurements in Smooth and Rough-Walled Trapezoidal Ducts, Panagiotis Prinos, Stavros Tavoularis and Ron Townsend, HY Jan. 88 p43-53.

Dynamic models

Stochastic Dynamic Approach to Predict Water Levels in Estuaries, Paul G. J. ten Brummelhuis, Bartele de Jong and Arnold W. Heemink, HY Nov. 88 p1339-1358.

Effluents

Turbulence Modeling of Surface Water Flow and Transport: Part II, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p992-1014.

Turbulence Modeling of Surface Water Flow and Transport: Part III, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1015-1033.

Embankment stability

Stability of Rock Protection on Slopes, T. Ulrich, HY July 87 p879-891.

Energy dissipators

Helicoidal-Tamp Dropshaft, John F. Kennedy, Subhash C. Jain and R. Rafael Quinones, HY Mar. 88 p315-325.

Energy losses

Rationalized Energy-Loss Parameters for Channels, Arthur C. E. Knight, HY July 88 p757-765.

Entrainment

Surface Films and Mixing in Two-Layer Fluid, Andreas Dittrich, HY Nov. 88 p1359-1375.

Entropy

Entropy and 2-D Velocity Distribution in Open Channels, Chao-Lin Chiu, HY July 88 p738-756.

Parameter Estimation for Log-Pearson Type III Distribution by POME, Vijay P. Singh and Kulwant Singh, HY Jan. 88 p112-122.

Environmental impacts

Shoreline Impact from Ocean Waste Discharges, Robert C. Y. Koh, HY Apr. 88 p361-376.

Equations of motion

Entropy and 2-D Velocity Distribution in Open Channels, Chao-Lin Chiu, HY July 88 p738-756.

Equilibrium methods

Design Method for Local Scour at Bridge Piers, B. W. Melville and A. J. Sutherland, HY Oct. 88 p1210-1226.

Erosion

Analysis of Gradual Earth-Dam Failure, Vijay P. Singh and Panagiotis D. Scarlatos, HY Jan. 88 p21-42.

Do Critical Stresses for Incipient Motion and Erosion Really Exist? J. William Lavelle and Harold O. Mofjeld, HY Mar. 87 p370-385.

Meander Flow Model I: Development, A. Jacob Odgaard, HY Dec. 86 p1117-1136.

Two Characteristic Features of the Airflow Boundary Layer over Sand, Jim Wu, HY Oct. 86 p976-978.

Estuaries

Advective Acceleration and Mass Transport in Estuaries, Wu-Seng Lung, HY Sept. 86 p874-878.

Influence of Rain and Evaporation on Salt Intrusion in Estuaries, H. H. G. Savenije, HY Dec. 88 p1509-1524.

Modeling Turbulent Transport in Stratified Estuary, Siegfried Bloss, Rainer Lehfeldt and John C. Patterson, HY Sept. 88 p1115-1133.

Stochastic Dynamic Approach to Predict Water Levels in Estuaries, Paul G. J. ten Brummelhuis, Bartele de Jong and Arnold W. Heemink, HY Nov. 88 p1339-1358.

Turbulence Modeling of Surface Water Flow and Transport: Part III, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1015-1033.

Evaporation

Influence of Rain and Evaporation on Salt Intrusion in Estuaries, H. H. G. Savenije, HY Dec. 88 p1509-1524.

Feedback control

Automatic Control of Canal Flow Using Linear Quadratic Regulator Theory, O. S. Balogun, M. Hubbard and J. J. DeVries, HY Jan. 88 p75-102.

Finite differences

Small Grid Testing of Finite Difference Transport Schemes, Richard A. Schmalz, Jr., HY Mar. 88 p329-336.

Finite elements

Model for Flood Propagation on Initially Dry Land, Abiola A. Akanbi and Nikolaos D. Katopodes, HY July 88 p689-706.

Fish

Lessons from a Career in Hydraulics, James Daily, HY Sept. 86 p779-793.

Fish protection

Assessment of Developmental Needs for Advanced Intake Technologies, Yusuf G. Mussali, Edward

P. Taft and Wayne Micheletti, HY June 88 p675-688.

Hydro-Power Intake Design Considerations, Perry L. Johnson, HY June 88 p651-661.

Fish screens

Biological Evaluation of Angled-Screen Test Facility, John A. Matousek, Thomas E. Pease, John G. Holsapple and Ronald C. Roberts, HY June 88 p641-650.

Design and Operation of Angled-Screen Intake, M. R. Anderson, J. A. DiVito and Y. G. Mussalli, HY June 88 p598-615.

Effectiveness of Angled-Screen Intake System, Stephen J. Edwards, John Dembeck, Thomas E. Pease, Michael J. Skelly and David Rengert, HY June 88 p626-640.

Fishways

Plunging and Streaming Flows in Pool and Weir Fishways, Nallamuthu Rajaratnam, Christos Katopodis and Arbind Mainali, HY Aug. 88 p939-944.

Flood control

Computer-Aided Design for Channelization, Howard H. Chang and Zbig Osmolski, HY Nov. 88 p1377-1389.

Flood forecasting

Dam-Breach Flood Wave Models, Ralph A. Wurbs, HY Jan. 87 p29-46.

Flood frequency

Generalized Method of Moments Applied to LP3 Distribution, Bernard Bobée and Fahim Ashkar, HY Aug. 88 p899-909.

Flood routing

Dam-Breach Flood Wave Models, Ralph A. Wurbs, HY Jan. 87 p29-46.

Floodwaves

Dam-Breach Flood Wave Models, Ralph A. Wurbs, HY Jan. 87 p29-46.

Model for Flood Propagation on Initially Dry Land, Abiola A. Akanbi and Nikolaos D. Katopodes, HY July 88 p689-706.

Flow

Effect of Walls in Modeling Flow Through Porous Media, Craig W. Somerton and Patricia Wood, HY Dec. 88 p1431-1448.

Flow characteristics

Plane Gate on Standard Spillway, Willi H. Hager and Roger Bremen, HY Nov. 88 p1390-1397.

Turbulent Boundary Layers in Vertical Curves, Shuhai Jiang, HY July 88 p783-797.

Flow control

Automatic Control of Canal Flow Using Linear Quadratic Regulator Theory, O. S. Balogun, M. Hubbard and J. J. DeVries, HY Jan. 88 p75-102.

Time-Marching Approach for Pipe Steady Flows, Masashi Shimada, HY Nov. 88 p1301-1320.

Flow distribution

Division of Flow in Short Open Channel Branches, Amruthur S. Ramamurthy and Mysore G. Satish, HY Apr. 88 p428-438.

Flow duration curves

Type Curves of Two-Regime Well Flow, Zekai Sen, HY Dec. 88 p1461-1484.

Flow patterns

Horizontal Round Buoyant Jet in Shallow Water, Rodney J. Sobey, Archie J. Johnston and Richard D. Keane, HY Aug. 88 p910-929.

Flow rates

Computation of Supercritical Free-Surface Flows, Oscar F. Jiménez and M. Hanif Chaudhry, HY Apr. 88 p377-395.

Generalized Rectangular Weir Equations, Prabhata K. Swamee, HY Aug. 88 p945-949.

Simple Model of Sediment-Laden Flows, Gary Parker and Neil L. Coleman, HY May 86 p356-375.

Flow resistance

Bar Form Resistance in Gravel-Bed Rivers, Richard D. Hey, HY Dec. 88 p1498-1508.

Hydraulic Resistance of Ripples, Y. Lam Lau, HY Oct. 88 p1275-1282.

Shape Effects on Flow Resistance in Horseshoe Conduits, Terry W. Sturm and David A. King, HY Nov. 88 p1416-1429.

Unsteady Flow Simulation for an Ice-Covered River, Poojitha D. Yapa and Hung Tao Shen, HY Nov. 86 p1036-1049.

Flow simulation

Application of Variably Saturated Flow Theory to Clay Cover Liners, Carol J. Miller and Steven J. Wright, HY Oct. 88 p1283-1300.

Comprehensive Method of Characteristics Models for Flow Simulation, Chintu Lai, HY Sept. 88 p1074-1097.

Meander Flow Model I: Development, A. Jacob Odgaard, HY Dec. 86 p1117-1136.

Unsteady Flow Simulation for an Ice-Covered River, Poojitha D. Yapa and Hung Tao Shen, HY Nov. 86 p1036-1049.

Fluid dynamics

Kinematic Properties of Mudflows on Mt. St. Helens, Theodore E. Lang and Jimmie D. Dent, HY May 87 p646-660.

Fluid flow

Surface Films and Mixing in Two-Layer Fluid, Andreas Dittrich, HY Nov. 88 p1359-1375.

Fluidizing

Experiment on Fluidization in Unbounded Domains, Richard N. Weisman, Gerard P. Lennon and Edward W. Roberts, HY May 88 p502-515.

Fluvial hydraulics

Dispersive Force Basis for Concentration Profiles,

K. C. Wilson and F. J. Pugh, HY July 88 p806-810.

Friction

Confinement and Bed-Friction Effects in Shallow Turbulent Mixing Layers, Vincent H. Chu and Sofia Babarutsi, HY Oct. 88 p1257-1274.

Friction coefficient, hydraulic

Rationalized Energy-Loss Parameters for Channels, Arthur C. E. Knight, HY July 88 p757-765.

Friction factor

Friction Factor Evaluation in Gravel-Bed Rivers, Carlo Colosimo, Vito A. Copertino and Massimo Veltri, HY Aug. 88 p861-876.

Shape Effects on Flow Resistance in Horseshoe Conduits, Terry W. Sturm and David A. King, HY Nov. 88 p1416-1429.

Friction resistance

Hydraulic Resistance of Ripples, Y. Lam Lau, HY Oct. 88 p1275-1282.

Froude number

Avoidance of Seawater Intrusion into Ports of Ocean Outfalls, David L. Wilkinson, HY Feb. 88 p218-228.

Friction Factor Evaluation in Gravel-Bed Rivers, Carlo Colosimo, Vito A. Copertino and Massimo Veltri, HY Aug. 88 p861-876.

Gates

Hydro-Power Intake Design Considerations, Perry L. Johnson, HY June 88 p651-661.

Plane Gate on Standard Spillway, Willi H. Hager and Roger Bremen, HY Nov. 88 p1390-1397.

Geomorphology

Fate of Navigation Pool on Mississippi River, Nani G. Bhowmik, J. Rodgers Adams and Richard E. Sparks, HY Oct. 86 p967-970.

Grade control structures

Computer-Aided Design for Channelization, Howard H. Chang and Zbig Osmolski, HY Nov. 88 p1377-1389.

Granular media

Critical Scour: New Bed Protection Design Method, Maarten B. de Groot, Abraham J. Bliek and Henk van Rossum, HY Oct. 88 p1227-1240.

Gravel

Bar Form Resistance in Gravel-Bed Rivers, Richard D. Hey, HY Dec. 88 p1498-1508.

Bedload Transport in Gravel-Bed Streams, Panayiotis Diplas, HY Mar. 87 p277-292.

Friction Factor Evaluation in Gravel-Bed Rivers, Carlo Colosimo, Vito A. Copertino and Massimo Veltri, HY Aug. 88 p861-876.

Sampling Techniques for Gravel Sized Sediments, Panayiotis Diplas and Alex J. Sutherland, HY May 88 p484-501.

Stable Channels with Mobile Gravel Beds, Richard D. Hey and Colin R. Thorne, HY Aug. 86 p671-689.

Gravity

Gravity-Affected Potential Flows Past Spillway Flip Buckets, Li Shuguang and Liang Zhengxiang, HY Apr. 88 p409-427.

Great Lakes

Oil Slick Transport in Rivers, Hung Tao Shen and Poojitha D. Yapa, HY May 88 p529-543.

Grid systems

Small Grid Testing of Finite Difference Transport Schemes, Richard A. Schmalz, Jr., HY Mar. 88 p329-336.

Groundwater

Cation Exchange in Groundwater Solute Transport, Kenneth A. Rainwater, HY Feb. 88 p173-191.

Groundwater flow

Groundwater Velocity Magnitude in Radionuclide Transport Calculations, Daniel J. Goode, HY Aug. 88 p933-939.

Groundwater pollution

Groundwater Velocity Magnitude in Radionuclide Transport Calculations, Daniel J. Goode, HY Aug. 88 p933-939.

Heat treatment

Biofouling Control at Water Intake Structures, Yusuf G. Mussalli, HY June 88 p616-625.

Helixes

Helicoidal-Tamp Dropshaft, John F. Kennedy, Subhash C. Jain and R. Rafael Quinones, HY Mar. 88 p315-325.

History

Lessons from a Career in Hydraulics, James Daily, HY Sept. 86 p779-793.

Hydraulic jump

Air Transport in Vortex-Flow Drop-shafts, Subhash C. Jain, HY Dec. 88 p1485-1497.

Extreme Pressures in Hydraulic-Jump Stilling Basins, Joel W. Toso and C. Edward Bowers, HY Aug. 88 p829-843.

Karnafuli Project, Model Studies of Spillway Damage, C. Edward Bowers and Joel Toso, HY May 88 p469-483.

Hydraulic models

Tidal Inlet Hydraulics, Ashish Mehta and Prakash B. Joshi, HY Nov. 88 p1321-1338.

Hydraulic performance

Hydraulic Test of Streamer Sediment Trap, Julie Dean Rosati and Nicholas C. Kraus, HY Dec. 88 p1527-1532.

Hydraulic pressure

Hydraulic Resistance of Ripples, Y. Lam Lau, HY Oct. 88 p1275-1282.

Hydraulic servomechanisms

Lessons from a Career in Hydraulics, James Daily, HY Sept. 86 p779-793.

Hydraulic structures

Diversion Conduit and Low-Level Outlet for Punchiná Dam, Fabio Villegas and Oscar Mejia, HY Apr. 88 p396-408.

Experiment on Fluidization in Unbounded Domains, Richard N. Weisman, Gerard P. Lennon and Edward W. Roberts, HY May 88 p502-515.

Scour Downstream of Vertical Gate, Ali Uyumaz, HY July 88 p811-816.

Hydraulics

Distribution Channels, W. H. Hager and P. U. Volkart, HY Oct. 86 p935-952.

Effectiveness of Angled-Screen Intake System, Stephen J. Edwards, John Dembeck, Thomas E. Pease, Michael J. Skelly and David Rengert, HY June 88 p626-640.

Hydroelectric power

Hydro-Power Intake Design Considerations, Perry L. Johnson, HY June 88 p651-661.

Hydrographs

Kinematic Wave Routing and Computational Error, T. V. Hromadka, II. and J. J. DeVries, HY Feb. 88 p207-217.

Hydrologic data

Parameter Estimation for Log-Pearson Type III Distribution by POME, Vijay P. Singh and Kulwant Singh, HY Jan. 88 p112-122.

Ice control

Assessment of Developmental Needs for Advanced Intake Technologies, Yusuf G. Mussali, Edward P. Taft and Wayne Micheletti, HY June 88 p675-688.

Hydro-Power Intake Design Considerations, Perry L. Johnson, HY June 88 p651-661.

Ice cover

Unsteady Flow Simulation for an Ice-Covered River, Poojitha D. Yapa and Hung Tao Shen, HY Nov. 86 p1036-1049.

Incipient motion

Do Critical Stresses for Incipient Motion and Erosion Really Exist? J. William Lavelle and Harold O. Mofjeld, HY Mar. 87 p370-385.

Inlets, waterways

Tidal Inlet Hydraulics, Ashish Mehta and Prakash B. Joshi, HY Nov. 88 p1321-1338.

Intakes

Assessment of Developmental Needs for Advanced Intake Technologies, Yusuf G. Mussali, Edward P. Taft and Wayne Micheletti, HY June 88 p675-688.

Biofouling Control at Water Intake Structures, Yusuf G. Mussalli, HY June 88 p616-625.

Design and Operation of Angled-Screen Intake, M. R. Anderson, J. A. DiVito and Y. G. Mussalli, HY June 88 p598-615.

Effectiveness of Angled-Screen Intake System, Stephen J. Edwards, John Dembeck, Thomas E. Pease, Michael J. Skelly and David Rengert, HY June 88 p626-640.

Hydro-Power Intake Design Considerations, Perry L. Johnson, HY June 88 p651-661.

Passive Intake System for Shallow Sand-Bed River, J. Craig Johnson and Robert Ettema, HY June 88 p662-674.

Internal waves

Shear Waves and Unsteady Selective Withdrawal, S. Monismith, J. Imberger and G. Billi, HY Sept. 88 p1134-1152.

Irrigation systems

Automatic Control of Canal Flow Using Linear Quadratic Regulator Theory, O. S. Balogun, M. Hubbard and J. J. DeVries, HY Jan. 88 p75-102.

Jet diffusion

Optimal Jet-Mixer for Shallow Basins, Emad H. Imam, Abdelkawi Khalifa and John A. McCorquodale, HY Nov. 88 p1398-1415.

Kalman filter

Stochastic Dynamic Approach to Predict Water Levels in Estuaries, Paul G. J. ten Brummelhuis, Bartele de Jong and Arnold W. Heemink, HY Nov. 88 p1339-1358.

Kinematic wave theory

Kinematic Wave Routing and Computational Error, T. V. Hromadka, II. and J. J. DeVries, HY Feb. 88 p207-217.

Kinematics

Kinematic Properties of Mudflows on Mt. St. Helens, Theodore E. Lang and Jimmie D. Dent, HY May 87 p646-660.

Lakes

Prediction of Three-Dimensional Thermal Discharge Flows, G. D. Raithby, R. V. Elliott and B. R. Hutchinson, HY July 88 p720-737.

Leakage

Experiment on Fluidization in Unbounded Domains, Richard N. Weisman, Gerard P. Lennon and Edward W. Roberts, HY May 88 p502-515.

Mass transport

Advective Acceleration and Mass Transport in Estuaries, Wu-Seng Lung, HY Sept. 86 p874-878.

Finite Element Characteristic Advection Model, John D. Wang, Stephen V. Cofer-Shabica and Joycelyn Chin Fatt, HY Sept. 88 p1098-1114.

Mathematical models

Experiment on Fluidization in Unbounded Domains, Richard N. Weisman, Gerard P. Lennon and Edward W. Roberts, HY May 88 p502-515.

Improved Fitting for the Three-Parameter Muskingum Procedure, Terence O'Donnell, Charles P. Pearson and Ross A. Woods, HY May 88 p516-528.

Modeling Sediment-Induced Density Currents in Sedimentation Basins, Bruce A. DeVantier and Bruce E. Larock, HY Jan. 87 p80-94.

Modeling Suspended Sediment Transport in Non-Equilibrium Situations, Ismail Celik and Wolfgang Rodi, HY Oct. 88 p1157-1191.

Unsteady Sediment-Transport Modeling, Dennis A. Lyn, HY Jan. 87 p1-15.

Maximum flood

Generalized Method of Moments Applied to LP3 Distribution, Bernard Bobée and Fahim Ashkar, HY Aug. 88 p899-909.

Meanders

Meander Flow Model I: Development, A. Jacob Odgaard, HY Dec. 86 p1117-1136.

Mississippi River

Fate of Navigation Pool on Mississippi River, Nani G. Bhowmik, J. Rodgers Adams and Richard E. Sparks, HY Oct. 86 p967-970.

Missouri River

Armoring and Sorting Simulation in Alluvial Rivers, M. Fazle Karim and Forrest M. Holly, HY Aug. 86 p705-715.

Mixing

Confinement and Bed-Friction Effects in Shallow Turbulent Mixing Layers, Vincent H. Chu and Sofia Babarutsi, HY Oct. 88 p1257-1274.

Effect of Bed and Side Roughness on Dispersion in Open Channels, Mahraj K. Magazine, Santosh K. Pathak and Pramod K. Pande, HY July 88 p766-782.

Horizontal Round Buoyant Jet in Shallow Water, Rodney J. Sobey, Archie J. Johnston and Richard D. Keane, HY Aug. 88 p910-929.

Optimal Jet-Mixer for Shallow Basins, Emad H. Imam, Abdelkawi Khalifa and John A. McCorquodale, HY Nov. 88 p1398-1415.

Surface Films and Mixing in Two-Layer Fluid, Andreas Dittrich, HY Nov. 88 p1359-1375.

Mixtures

Suspended Load Transport of Sediment Mixtures, Belle R. Samaga, Kittur G. Ranga Raju and Ramchandra J. Garde, HY Nov. 86 p1019-1035.

Modeling

Effect of Walls in Modeling Flow Through Porous Media, Craig W. Somerton and Patricia Wood, HY Dec. 88 p1431-1448.

Momentum transfer

Combining Open Channel Flow at Right Angled Junctions, Amruthur S. Ramamurthy, Luis B. Carballada and Duc Minh Tran, HY Dec. 88 p1449-1460.

Mud

Critical Shear Stress of Cohesive Bottom Sediments, Kuninori Otsubo and Kohji Muraoka, HY Oct. 88 p1241-1256.

General Solutions for Viscoplastic Debris Flow, Cheng-lung Chen, HY Mar. 88 p259-282.

Generalized Viscoplastic Modeling of Debris Flow, Cheng-lung Chen, HY Mar. 88 p237-258.

Kinematic Properties of Mudflows on Mt. St. Helens, Theodore E. Lang and Jimmie D. Dent, HY May 87 p646-660.

Laboratory Analysis of Mudflow Properties, Jim S. O'Brien and Pierre Y. Julien, HY Aug. 88 p877-887.

Navigation dams

Fate of Navigation Pool on Mississippi River, Nani G. Bhowmik, J. Rodgers Adams and Richard E. Sparks, HY Oct. 86 p967-970.

Nonequilibrium flow

Type Curves of Two-Regime Well Flow, Zekâi Sen, HY Dec. 88 p1461-1484.

Numerical models

Comprehensive Method of Characteristics Models for Flow Simulation, Chintu Lai, HY Sept. 88 p1074-1097.

Finite Element Characteristic Advection Model, John D. Wang, Stephen V. Cofer-Shabica and Joycelyn Chin Fatt, HY Sept. 88 p1098-1114.

Simulation of the Dynamics of a Double-Diffusive System, S. Geoffrey Schladow, HY Jan. 88 p1-20.

Small Grid Testing of Finite Difference Transport Schemes, Richard A. Schmalz, Jr., HY Mar. 88 p329-336.

Unsteady Sediment-Transport Modeling, Dennis A. Lyn, HY Jan. 87 p1-15.

Ocean disposal

Shoreline Impact from Ocean Waste Discharges, Robert C. Y. Koh, HY Apr. 88 p361-376.

Oil spills

Oil Slick Transport in Rivers, Hung Tao Shen and Poojitha D. Yapa, HY May 88 p529-543.

Open channel flow

Combining Open Channel Flow at Right Angled Junctions, Amruthur S. Ramamurthy, Luis B. Carballada and Duc Minh Tran, HY Dec. 88 p1449-1460.

Comprehensive Method of Characteristics Models for Flow Simulation, Chintu Lai, HY Sept. 88 p1074-1097.

Computation of Supercritical Free-Surface Flows, Oscar F. Jiménez and M. Hanif Chaudhry, HY Apr. 88 p377-395.

Distribution Channels, W. H. Hager and P. U. Volkart, HY Oct. 86 p935-952.

Division of Flow in Short Open Channel Branches, Amruthur S. Ramamurthy and Mysore G. Satish, HY Apr. 88 p428-438.

Effect of Bed and Side Roughness on Dispersion in Open Channels, Mahraj K. Magazine, Santosh K. Pathak and Pramod K. Pande, HY July 88 p766-782.

General Two-Point Method for Determining Velocity in Open Channel, John F. Walker, HY July 88 p801-805.

Kinematic Wave Routing and Computational Error, T. V. Hromadka, II. and J. J. DeVries, HY Feb. 88 p207-217.

Modeling Suspended Sediment Transport in Non-Equilibrium Situations, Ismail Celik and Wolfgang Rodi, HY Oct. 88 p1157-1191.

Shape Effects on Flow Resistance in Horseshoe Conduits, Terry W. Sturm and David A. King, HY Nov. 88 p1416-1429.

Simple Model of Sediment-Laden Flows, Gary Parker and Neil L. Coleman, HY May 86 p356-375.

Open channels

Choke Angle in Supercritical Contractions, Richard J. Heggen, HY Apr. 88 p441-444.

Confinement and Bed-Friction Effects in Shallow Turbulent Mixing Layers, Vincent H. Chu and Sofia Babarutsi, HY Oct. 88 p1257-1274.

Entropy and 2-D Velocity Distribution in Open Channels, Chao-Lin Chiu, HY July 88 p738-756.

Open-channel flow

Plunging and Streaming Flows in Pool and Weir Fishways, Nallamuthu Rajaratnam, Christos Katopodis and Arbind Mainali, HY Aug. 88 p939-944.

Optimal design

Experimental Study of Cross-Flow Turbine, Shahram Khosrowpanah, A. A. Fiuzat and Maurice L. Albertson, HY Mar. 88 p299-314.

Optimal Jet-Mixer for Shallow Basins, Emad H. Imam, Abdelkawi Khalifa and John A. McCorquodale, HY Nov. 88 p1398-1415.

Outfall sewers

Avoidance of Seawater Intrusion into Ports of Ocean Outfalls, David L. Wilkinson, HY Feb. 88 p218-228.

Shoreline Impact from Ocean Waste Discharges, Robert C. Y. Koh, HY Apr. 88 p361-376.

Outflows

Distribution Channels, W. H. Hager and P. U. Volkart, HY Oct. 86 p935-952.

Shear Waves and Unsteady Selective Withdrawal, S. Monismith, J. Imberger and G. Billi, HY Sept. 88 p1134-1152.

Overland flow

Model for Flood Propagation on Initially Dry Land, Abiola A. Akanbi and Nikolaos D. Katopodes, HY July 88 p689-706.

Parameters

Clark Unit Hydrograph and *R*-Parameter Estimation, George V. Sabol, HY Jan. 88 p103-111.

Improved Fitting for the Three-Parameter Muskingum Procedure, Terence O'Donnell, Charles P. Pearson and Ross A. Woods, HY May 88 p516-528.

Parameter Estimation for Log-Pearson Type III Distribution by POME, Vijay P. Singh and Kulwant Singh, HY Jan. 88 p112-122.

Parametric hydrology

Rationalized Energy-Loss Parameters for Channels, Arthur C. E. Knight, HY July 88 p757-765.

Penetration

Type Curves of Two-Regime Well Flow, Zekâi Sen, HY Dec. 88 p1461-1484.

Penstocks

Hydro-Power Intake Design Considerations, Perry L. Johnson, HY June 88 p651-661.

Pipe flow

Time-Marching Approach for Pipe Steady Flows, Masashi Shimada, HY Nov. 88 p1301-1320.

Pipelines

Effect of Valve-Closure Schedule on Water Hammer, P. H. Azoury, M. Baasiri and H. Najm, HY Oct. 86 p890-903.

Pollutants

Cation Exchange in Groundwater Solute Transport, Kenneth A. Rainwater, HY Feb. 88 p173-191.

Small Grid Testing of Finite Difference Transport Schemes, Richard A. Schmalz, Jr., HY Mar. 88 p329-336.

Ponds

Surface Films and Mixing in Two-Layer Fluid, Andreas Dittrich, HY Nov. 88 p1359-1375.

Pools

Plunging and Streaming Flows in Pool and Weir Fishways, Nallamuthu Rajaratnam, Christos Katopodis and Arbind Mainali, HY Aug. 88 p939-944.

Porous media

Cation Exchange in Groundwater Solute Transport, Kenneth A. Rainwater, HY Feb. 88 p173-191.

Effect of Walls in Modeling Flow Through Porous Media, Craig W. Somerton and Patricia Wood, HY Dec. 88 p1431-1448.

Potential flow

Gravity-Affected Potential Flows Past Spillway Flip Buckets, Li Shuguang and Liang Zhengxiang, HY Apr. 88 p409-427.

Powerplants

Assessment of Developmental Needs for Advanced Intake Technologies, Yusuf G. Mussali, Edward P. Taft and Wayne Micheletti, HY June 88 p675-688.

Design and Operation of Angled-Screen Intake, M. R. Anderson, J. A. DiVito and Y. G. Mussalli, HY June 88 p598-615.

Precipitation

Application of Variably Saturated Flow Theory to Clay Cover Liners, Carol J. Miller and Steven J. Wright, HY Oct. 88 p1283-1300.

Predictive control

Stochastic Dynamic Approach to Predict Water Levels in Estuaries, Paul G. J. ten Brummelhuis, Bartele de Jong and Arnold W. Heemink, HY Nov. 88 p1339-1358.

Pressure distribution

Gravity-Affected Potential Flows Past Spillway Flip Buckets, Li Shuguang and Liang Zhengxiang, HY Apr. 88 p409-427.

Pressures

Extreme Pressures in Hydraulic-Jump Stilling Basins, Joel W. Toso and C. Edward Bowers, HY Aug. 88 p829-843.

Probability density functions

Parameter Estimation for Log-Pearson Type III Distribution by POME, Vijay P. Singh and Kulwant Singh, HY Jan. 88 p112-122.

Probability distribution

Generalized Method of Moments Applied to LP3 Distribution, Bernard Bobée and Fahim Ashkar, HY Aug. 88 p899-909.

Pumping

Type Curves of Two-Regime Well Flow, Zekâi Sen, HY Dec. 88 p1461-1484.

Radioactivity

Groundwater Velocity Magnitude in Radionuclide Transport Calculations, Daniel J. Goode, HY Aug. 88 p933-939.

Rainfall

Influence of Rain and Evaporation on Salt Intrusion in Estuaries, H. H. G. Savenije, HY Dec. 88 p1509-1524.

Reservoirs

Algorithm for Selective Withdrawal From Stratified Reservoir, Graeme C. Hocking, Bradford S. Sherman and John C. Patterson, HY July 88 p707-719.

Discrete Vortex Model of Jet-Forced Flow Inside Circular Reservoir, A. G. L. Borthwick, J. R. Chaplin and K. H. M. Ali, HY Mar. 88 p283-298.

Shear Waves and Unsteady Selective Withdrawal. S. Monismith, J. Imberger and G. Billi, HY Sept. 88 p1134-1152.

Resistance

Hydraulic Resistance of Ripples, Y. Lam Lau, HY Oct. 88 p1275-1282.

Rheological properties

Laboratory Analysis of Mudflow Properties, Jim S. O'Brien and Pierre Y. Julien, HY Aug. 88 p877-887.

Riffles

Bar Form Resistance in Gravel-Bed Rivers, Richard D. Hey, HY Dec. 88 p1498-1508.

River beds

Bar Form Resistance in Gravel-Bed Rivers, Richard D. Hey, HY Dec. 88 p1498-1508.

Computer-Aided Design for Channelization, Howard H. Chang and Zbig Osmolski, HY Nov. 88 p1377-1389.

Passive Intake System for Shallow Sand-Bed River, J. Craig Johnson and Robert Ettema, HY June 88 p662-674.

River flow

Combining Open Channel Flow at Right Angled Junctions, Amruthur S. Ramamurthy, Luis B. Carballada and Duc Minh Tran, HY Dec. 88 p1449-1460.

Rivers

Friction Factor Evaluation in Gravel-Bed Rivers, Carlo Colosimo, Vito A. Copertino and Massimo Veltri, HY Aug. 88 p861-876.

Meander Flow Model I: Development, A. Jacob Odgaard, HY Dec. 86 p1117-1136.

Oil Slick Transport in Rivers, Hung Tao Shen and Poojitha D. Yapa, HY May 88 p529-543.

Riverbank Stability Analysis: I: Theory, Akode M. Osman and Colin R. Thorne, HY Feb. 88 p134-150.

Riverbank Stability Analysis. II: Applications, Colin R. Thorne and Akode M. Osman, HY Feb. 88 p151-172.

Stable Channels with Mobile Gravel Beds, Richard D. Hey and Colin R. Thorne, HY Aug. 86 p671-689.

Rocks

Stability of Rock Protection on Slopes, T. Ulrich, HY July 87 p879-891.

Roughness

Effect of Bed and Side Roughness on Dispersion in Open Channels, Mahraj K. Magazine, Santosh K. Pathak and Pramod K. Pande, HY July 88 p766-782.

Runoff

Kinematic Wave Routing and Computational Error, T. V. Hromadka, II. and J. J. DeVries, HY Feb. 88 p207-217.

Salt water intrusion

Influence of Rain and Evaporation on Salt Intrusion in Estuaries, H. H. G. Savenije, HY Dec. 88 p1509-1524.

Sampling

Sampling Techniques for Gravel Sized Sediments, Panayiotis Diplas and Alex J. Sutherland, HY May 88 p484-501.

Sand

Experiment on Fluidization in Unbounded Domains, Richard N. Weisman, Gerard P. Lennon and Edward W. Roberts, HY May 88 p502-515.

Hydraulic Test of Streamer Sediment Trap, Julie Dean Rosati and Nicholas C. Kraus, HY Dec. 88 p1527-1532.

Passive Intake System for Shallow Sand-Bed River, J. Craig Johnson and Robert Ettema, HY June 88 p662-674.

Suspension of Large Concentrations of Sands, H. S. Woo, P. Y. Julien and E. V. Richardson, HY Aug. 88 p888-898.

Two Characteristic Features of the Airflow Boundary Layer over Sand, Jim Wu, HY Oct. 86 p976-978.

Saturation

Application of Variably Saturated Flow Theory to Clay Cover Liners, Carol J. Miller and Steven J. Wright, HY Oct. 88 p1283-1300.

Scour

Computer-Aided Design for Channelization, Howard H. Chang and Zbig Osmolski, HY Nov. 88 p1377-1389.

Critical Scour: New Bed Protection Design Method, Maarten B. de Groot, Abraham J. Bliek and Henk van Rossum, HY Oct. 88 p1227-1240.

Design Method for Local Scour at Bridge Piers, B. W. Melville and A. J. Sutherland, HY Oct. 88 p1210-1226.

Scour Channel Development After Spillway Failure, Misganaw Demissie, Vassilios Tsihrintziz, William C. Bogner and Nani G. Bhowmik, HY Aug. 88 p844-860.

Scour Downstream of Vertical Gate, Ali Uyumaz, HY July 88 p811-816.

Sea water

Avoidance of Seawater Intrusion into Ports of Ocean Outfalls, David L. Wilkinson, HY Feb. 88 p218-228.

Secondary flow

Coriolis Generated Secondary Currents in Channels, Rolf Larsson, HY Aug. 86 p750-767.

Turbulence Measurements in Smooth and Rough-Walled Trapezoidal Ducts, Panagiotis Prinos, Stavros Tavoularis and Ron Townsend, HY Jan. 88 p43-53.

Sediment

Armoring and Sorting Simulation in Alluvial Rivers, M. Fazle Karim and Forrest M. Holly, HY Aug. 86 p705-715.

Scour Channel Development After Spillway Failure, Misganaw Demissie, Vassilios Tsihrintziz, William C. Bogner and Nani G. Bhowmik, HY Aug. 88 p844-860.

Sediment concentration

Dispersive Force Basis for Concentration Profiles, K. C. Wilson and F. J. Pugh, HY July 88 p806-810.

Generalized Viscoplastic Modeling of Debris Flow, Cheng-lung Chen, HY Mar. 88 p237-258.

Laboratory Analysis of Mudflow Properties, Jim S. O'Brien and Pierre Y. Julien, HY Aug. 88 p877-887.

Simple Model of Sediment-Laden Flows, Gary Parker and Neil L. Coleman, HY May 86 p356-375.

Suspension of Large Concentrations of Sands, H. S. Woo, P. Y. Julien and E. V. Richardson, HY Aug. 88 p888-898.

Sediment control

Hydraulic Test of Streamer Sediment Trap, Julie Dean Rosati and Nicholas C. Kraus, HY Dec. 88 p1527-1532.

Hydro-Power Intake Design Considerations, Perry L. Johnson, HY June 88 p651-661.

Sediment transport

Dispersive Force Basis for Concentration Profiles, K. C. Wilson and F. J. Pugh, HY July 88 p806-810.

Do Critical Stresses for Incipient Motion and Erosion Really Exist? J. William Lavelle and Harold O. Mofjeld, HY Mar. 87 p370-385.

Friction Factor Evaluation in Gravel-Bed Rivers, Carlo Colosimo, Vito A. Copertino and Massimo Veltri, HY Aug. 88 p861-876.

Modeling Suspended Sediment Transport in Non-Equilibrium Situations, Ismail Celik and Wolfgang Rodi, HY Oct. 88 p1157-1191.

Suspended Load Transport of Sediment Mixtures, Belle R. Samaga, Kittur G. Ranga Raju and Ramchandra J. Garde, HY Nov. 86 p1019-1035.

Two-Dimensional Lagrangian Simulation of Suspended Sediment, David H. Schoellhamer, HY Oct. 88 p1192-1201.

Uncertainty in Suspended Sediment Transport Curves, Edward A. McBean and Sabah Al-Nassri, HY Jan. 88 p63-74.

Unsteady Sediment-Transport Modeling, Dennis A. Lyn, HY Jan. 87 p1-15.

Sedimentation

Modeling Sediment-Induced Density Currents in Sedimentation Basins, Bruce A. DeVantier and Bruce E. Larock, HY Jan. 87 p80-94.

Unsteady Sediment-Transport Modeling, Dennis A. Lyn, HY Jan. 87 p1-15.

Sensitivity analysis

Analysis of Gradual Earth-Dam Failure, Vijay P. Singh and Panagiotis D. Scarlatos, HY Jan. 88 p21-42.

Shafts

Air Transport in Vortex-Flow Drop-shafts, Subhash C. Jain, HY Dec. 88 p1485-1497.

Shallow water

Computation of Supercritical Free-Surface Flows, Oscar F_1 Jiménez and M. Hanif Chaudhry, HY Apr. 88 p377-395.

Confinement and Bed-Friction Effects in Shallow Turbulent Mixing Layers, Vincent H. Chu and Sofia Babarutsi, HY Oct. 88 p1257-1274.

Horizontal Round Buoyant Jet in Shallow Water, Rodney J. Sobey, Archie J. Johnston and Richard D. Keane, HY Aug. 88 p910-929.

Passive Intake System for Shallow Sand-Bed River, J. Craig Johnson and Robert Ettema, HY June 88 p662-674.

Shape

Shape Effects on Flow Resistance in Horseshoe Conduits, Terry W. Sturm and David A. King, HY Nov. 88 p1416-1429.

Shear stress

Hydraulic Resistance of Ripples, Y. Lam Lau, HY Oct. 88 p1275-1282.

Shear waves Density stratification

Shear Waves and Unsteady Selective Withdrawal, S. Monismith, J. Imberger and G. Billi, HY Sept. 88 p1134-1152.

Silts

Assessment of Developmental Needs for Advanced Intake Technologies, Yusuf G. Mussali, Edward P. Taft and Wayne Micheletti, HY June 88 p675-688.

Simulation

Analysis of Gradual Earth-Dam Failure, Vijay P. Singh and Panagiotis D. Scarlatos, HY Jan. 88 p21-42.

Simulation models

Influence of Rain and Evaporation on Salt Intrusion in Estuaries, H. H. G. Savenije, HY Dec. 88 p1509-1524.

Simulation of the Dynamics of a Double-Diffusive System, S. Geoffrey Schladow, HY Jan. 88 p1-20.

Two-Dimensional Lagrangian Simulation of Suspended Sediment, David H. Schoellhamer, HY Oct. 88 p1192-1201.

Site selection

Simulation of the Dynamics of a Double-Diffusive System, S. Geoffrey Schladow, HY Jan. 88 p1-20.

Skin friction

Bar Form Resistance in Gravel-Bed Rivers, Richard D. Hey, HY Dec. 88 p1498-1508.

Slope stability

Riverbank Stability Analysis: I: Theory, Akode M. Osman and Colin R. Thorne, HY Feb. 88 p134-150.

Riverbank Stability Analysis. II: Applications, Colin R. Thorne and Akode M. Osman, HY Feb. 88 p151-172.

Stability of Rock Protection on Slopes, T. Ulrich, HY July 87 p879-891.

Solar ponds

Simulation of the Dynamics of a Double-Diffusive System, S. Geoffrey Schladow, HY Jan. 88 p1-20.

Solutes

Cation Exchange in Groundwater Solute Transport, Kenneth A. Rainwater, HY Feb. 88 p173-191.

Spillways

Gravity-Affected Potential Flows Past Spillway Flip Buckets, Li Shuguang and Liang Zhengxiang, HY Apr. 88 p409-427.

Helicoidal-Tamp Dropshaft, John F. Kennedy, Subhash C. Jain and R. Rafael Quinones, HY Mar. 88 p315-325.

Karnafuli Project, Model Studies of Spillway Damage, C. Edward Bowers and Joel Toso, HY May 88 p469-483.

Plane Gate on Standard Spillway, Willi H. Hager and Roger Bremen, HY Nov. 88 p1390-1397.

Scour Channel Development After Spillway Failure, Misganaw Demissie, Vassilios Tsihrintziz, William C. Bogner and Nani G. Bhowmik, HY Aug. 88 p844-860.

Scour Downstream of Vertical Gate, Ali Uyumaz, HY July 88 p811-816.

Stability of Rock Protection on Slopes, T. Ulrich, HY July 87 p879-891.

Turbulent Boundary Layers in Vertical Curves, Shuhai Jiang, HY July 88 p783-797.

St. Lawrence River

Unsteady Flow Simulation for an Ice-Covered River, Poojitha D. Yapa and Hung Tao Shen, HY Nov. 86 p1036-1049.

Stability analysis

Riverbank Stability Analysis: I: Theory, Akode M. Osman and Colin R. Thorne, HY Feb. 88 p134-150.

Riverbank Stability Analysis. II: Applications, Colin R. Thorne and Akode M. Osman, HY Feb. 88 p151-172.

State-of-the-art reviews

Third International Symposium on Stratified Flows, Gerhard Jirka and E. John List, HY Feb. 88 p125-133.

Statistical analysis

Uncertainty in Suspended Sediment Transport Curves, Edward A. McBean and Sabah Al-Nassri, HY Jan. 88 p63-74.

Steady flow

Discrete Vortex Model of Jet-Forced Flow Inside Circular Reservoir, A. G. L. Borthwick, J. R. Chaplin and K. H. M. Ali, HY Mar. 88 p283-298.

Distribution Channels, W. H. Hager and P. U. Volkart, HY Oct. 86 p935-952.

Time-Marching Approach for Pipe Steady Flows, Masashi Shimada, HY Nov. 88 p1301-1320.

Steady state models

Steady State Model for Dilution in Water Networks, Meelit Shah and Gideon Sinai, HY Feb. 88 p192-206.

Stilling basins

Extreme Pressures in Hydraulic-Jump Stilling Basins, Joel W. Toso and C. Edward Bowers, HY Aug. 88 p829-843.

Karnafuli Project, Model Studies of Spillway Damage, C. Edward Bowers and Joel Toso, HY May 88 p469-483.

Stochastic models

Stochastic Dynamic Approach to Predict Water Levels in Estuaries, Paul G. J. ten Brummelhuis, Bartele de Jong and Arnold W. Heemink, HY Nov. 88 p1339-1358.

Storage coefficient

Clark Unit Hydrograph and *R*-Parameter Estimation, George V. Sabol, HY Jan. 88 p103-111.

Stratified flow

Algorithm for Selective Withdrawal From Stratified Reservoir, Graeme C. Hocking, Bradford S. Sherman and John C. Patterson, HY July 88 p707-719.

Modeling Turbulent Transport in Stratified Estuary, Siegfried Bloss, Rainer Lehfeldt and John C. Patterson, HY Sept. 88 p1115-1133.

Third International Symposium on Stratified Flows, Gerhard Jirka and E. John List, HY Feb. 88 p125-133.

Stream gaging

General Two-Point Method for Determining Velocity in Open Channel, John F. Walker, HY July 88 p801-805.

Streambed armoring

Armoring and Sorting Simulation in Alluvial Rivers, M. Fazle Karim and Forrest M. Holly, HY Aug. 86 p705-715.

Streambeds

Bedload Transport in Gravel-Bed Streams, Panayiotis Diplas, HY Mar. 87 p277-292.

Meander Flow Model I: Development, A. Jacob Odgaard, HY Dec. 86 p1117-1136.

Sampling Techniques for Gravel Sized Sediments, Panayiotis Diplas and Alex J. Sutherland, HY May 88 p484-501.

Streamflow

Hydraulic Test of Streamer Sediment Trap, Julie Dean Rosati and Nicholas C. Kraus, HY Dec. 88 p1527-1532.

Scour Channel Development After Spillway Failure, Misganaw Demissie, Vassilios Tsihrintziz, William C. Bogner and Nani G. Bhowmik, HY Aug. 88 p844-860.

Supercritical flow

Choke Angle in Supercritical Contractions, Richard J. Heggen, HY Apr. 88 p441-444.

Surface waters

Surface Films and Mixing in Two-Layer Fluid, Andreas Dittrich, HY Nov. 88 p1359-1375.

Turbulence Modeling of Surface Water Flow and Transport: Part I, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p970-991.

Turbulence Modeling of Surface Water Flow and Transport: Part II, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p992-1014.

Turbulence Modeling of Surface Water Flow and Transport: Part III, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1015-1033.

Turbulence Modeling of Surface Water Flow and Transport: Part IV, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1034-1051.

Turbulence Modeling of Surface Water Flow and Transport: Part V, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1052-1073.

Suspended load

Dispersive Force Basis for Concentration Profiles, K. C. Wilson and F. J. Pugh, HY July 88 p806-810.

Suspended Load Transport of Sediment Mixtures, Belle R. Samaga, Kittur G. Ranga Raju and Ramchandra J. Garde, HY Nov. 86 p1019-1035.

Suspended sediments

Modeling Suspended Sediment Transport in Non-Equilibrium Situations, Ismail Celik and Wolfgang Rodi, HY Oct. 88 p1157-1191.

Simple Model of Sediment-Laden Flows, Gary Parker and Neil L. Coleman, HY May 86 p356-375.

Suspended Load Transport of Sediment Mixtures, Belle R. Samaga, Kittur G. Ranga Raju and Ramchandra J. Garde, HY Nov. 86 p1019-1035.

Two-Dimensional Lagrangian Simulation of Suspended Sediment, David H. Schoellhamer, HY Oct. 88 p1192-1201.

Uncertainty in Suspended Sediment Transport Curves, Edward A. McBean and Sabah Al-Nassri, HY Jan. 88 p63-74.

Suspension

Suspension of Large Concentrations of Sands, H. S. Woo, P. Y. Julien and E. V. Richardson, HY Aug. 88 p888-898.

Thermal pollution

Prediction of Three-Dimensional Thermal Discharge Flows, G. D. Raithby, R. V. Elliott and B. R. Hutchinson, HY July 88 p720-737.

Thermal power plants

Alternative Water Screening for Thermal Power Plants, R. T. Richards, HY June 88 p578-597.

Biofouling Control at Water Intake Structures, Yusuf G. Mussalli, HY June 88 p616-625.

Three-dimensional flow

Prediction of Three-Dimensional Thermal Discharge Flows, G. D. Raithby, R. V. Elliott and B. R. Hutchinson, HY July 88 p720-737.

Tidal hydraulics

Tidal Inlet Hydraulics, Ashish Mehta and Prakash B. Joshi, HY Nov. 88 p1321-1338.

Tidal waters

Stochastic Dynamic Approach to Predict Water Levels in Estuaries, Paul G. J. ten Brummelhuis, Bartele de Jong and Arnold W. Heemink, HY Nov. 88 p1339-1358.

Time studies

Time-Marching Approach for Pipe Steady Flows, Masashi Shimada, HY Nov. 88 p1301-1320.

Topography

Stable Channels with Mobile Gravel Beds, Richard D. Hey and Colin R. Thorne, HY Aug. 86 p671-689.

Toxicity

Biofouling Control at Water Intake Structures, Yusuf G. Mussalli, HY June 88 p616-625.

Transient flow

Time-Marching Approach for Pipe Steady Flows, Masashi Shimada, HY Nov. 88 p1301-1320.

Transport phenomena

Small Grid Testing of Finite Difference Transport Schemes, Richard A. Schmalz, Jr., HY Mar. 88 p329-336.

Turbulence Modeling of Surface Water Flow and Transport: Part I, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p970-991.

Turbulence Modeling of Surface Water Flow and Transport: Part II, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p992-1014.

Turbulence Modeling of Surface Water Flow and Transport: Part III, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1015-1033.

Turbulence Modeling of Surface Water Flow and Transport: Part IV, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1034-1051.

Turbulence Modeling of Surface Water Flow and Transport: Part V, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1052-1073.

Transport rate

Bedload Transport in Gravel-Bed Streams, Panayiotis Diplas, HY Mar. 87 p277-292.

Suspended Load Transport of Sediment Mixtures, Belle R. Samaga, Kittur G. Ranga Raju and Ramchandra J. Garde, HY Nov. 86 p1019-1035.

Transverse loads

Confinement and Bed-Friction Effects in Shallow Turbulent Mixing Layers, Vincent H. Chu and Sofia Babarutsi, HY Oct. 88 p1257-1274.

Trap efficiency

Hydraulic Test of Streamer Sediment Trap, Julie Dean Rosati and Nicholas C. Kraus, HY Dec. 88 p1527-1532.

Trapezoidal channels

Turbulence Measurements in Smooth and Rough-Walled Trapezoidal Ducts, Panagiotis Prinos, Stavros Tavoularis and Ron Townsend, HY Jan. 88 p43-53.

Trashracks

Alternative Water Screening for Thermal Power Plants, R. T. Richards, HY June 88 p578-597.

Hydro-Power Intake Design Considerations, Perry L. Johnson, HY June 88 p651-661.

Turbines

Experimental Study of Cross-Flow Turbine, Shahram Khosrowpanah, A. A. Fiuzat and Maurice L. Albertson, HY Mar. 88 p299-314.

Turbulence

Dispersive Force Basis for Concentration Profiles, K. C. Wilson and F. J. Pugh, HY July 88 p806-810.

Modeling Turbulent Transport in Stratified Estuary, Siegfried Bloss, Rainer Lehfeldt and John C. Patterson, HY Sept. 88 p1115-1133.

Turbulence Modeling of Surface Water Flow and Transport: Part I, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p970-991.

Turbulence Modeling of Surface Water Flow and Transport: Part II, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p992-1014.

Turbulence Modeling of Surface Water Flow and Transport: Part III, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1015-1033.

Turbulence Modeling of Surface Water Flow and Transport: Part IV, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1034-1051.

Turbulence Modeling of Surface Water Flow and Transport: Part V, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1052-1073.

Turbulent boundary layers

Confinement and Bed-Friction Effects in Shallow Turbulent Mixing Layers, Vincent H. Chu and Sofia Babarutsi, HY Oct. 88 p1257-1274.

Turbulent Boundary Layers in Vertical Curves, Shuhai Jiang, HY July 88 p783-797.

Turbulent flow

Coriolis Generated Secondary Currents in Channels, Rolf Larsson, HY Aug. 86 p750-767.

Do Critical Stresses for Incipient Motion and Erosion Really Exist? J. William Lavelle and Harold O. Mofjeld, HY Mar. 87 p370-385.

Plunging and Streaming Flows in Pool and Weir Fishways, Nallamuthu Rajaratnam, Christos Katopodis and Arbind Mainali, HY Aug. 88 p939-944.

Prediction of Three-Dimensional Thermal Discharge Flows, G. D. Raithby, R. V. Elliott and B. R. Hutchinson, HY July 88 p720-737.

Turbulence Measurements in Smooth and Rough-Walled Trapezoidal Ducts, Panagiotis Prinos, Stavros Tavoularis and Ron Townsend, HY Jan. 88 p43-53.

Two-dimensional flow

Entropy and 2-D Velocity Distribution in Open Channels, Chao-Lin Chiu, HY July 88 p738-756.

Experiment on Fluidization in Unbounded Domains, Richard N. Weisman, Gerard P. Lennon and Edward W. Roberts, HY May 88 p502-515.

Two-dimensional models

Two-Dimensional Lagrangian Simulation of Suspended Sediment, David H. Schoellhamer, HY Oct. 88 p1192-1201.

Uncertainty principles

Uncertainty in Suspended Sediment Transport Curves, Edward A. McBean and Sabah Al-Nassri, HY Jan. 88 p63-74.

Uniform flow

General Solutions for Viscoplastic Debris Flow, Cheng-lung Chen, HY Mar. 88 p259-282.

Generalized Viscoplastic Modeling of Debris Flow, Cheng-lung Chen, HY Mar. 88 p237-258.

Unit hydrographs

Clark Unit Hydrograph and *R*-Parameter Estimation, George V. Sabol, HY Jan. 88 p103-111.

United Kingdom

Bar Form Resistance in Gravel-Bed Rivers, Richard D. Hey, HY Dec. 88 p1498-1508.

Unsteady flow

Comprehensive Method of Characteristics Models for Flow Simulation, Chintu Lai, HY Sept. 88 p1074-1097.

Unsteady Flow Simulation for an Ice-Covered River, Poojitha D. Yapa and Hung Tao Shen, HY Nov. 86 p1036-1049.

Valves

Effect of Valve-Closure Schedule on Water Hammer, P. H. Azoury, M. Baasiri and H. Najm, HY Oct. 86 p890-903.

Variability

Application of Variably Saturated Flow Theory to Clay Cover Liners, Carol J. Miller and Steven J. Wright, HY Oct. 88 p1283-1300.

Vegetation

Rationalized Energy-Loss Parameters for Channels, Arthur C. E. Knight, HY July 88 p757-765.

Velocity

Design and Operation of Angled-Screen Intake, M. R. Anderson, J. A. DiVito and Y. G. Mussalli, HY June 88 p598-615.

Velocity Ddistribution

Entropy and 2-D Velocity Distribution in Open Channels, Chao-Lin Chiu, HY July 88 p738-756.

Velocity profile

General Solutions for Viscoplastic Debris Flow, Cheng-lung Chen, HY Mar. 88 p259-282.

General Two-Point Method for Determining Velocity in Open Channel, John F. Walker, HY July 88 p801-805.

Suspension of Large Concentrations of Sands, H. S. Woo, P. Y. Julien and E. V. Richardson, HY Aug. 88 p888-898.

Vertical angles

Plane Gate on Standard Spillway, Willi H. Hager and Roger Bremen, HY Nov. 88 p1390-1397.

Viscoplasticity

General Solutions for Viscoplastic Debris Flow, Cheng-lung Chen, HY Mar. 88 p259-282.

Generalized Viscoplastic Modeling of Debris Flow, Cheng-lung Chen, HY Mar. 88 p237-258.

Viscosity

Laboratory Analysis of Mudflow Properties, Jim S. O'Brien and Pierre Y. Julien, HY Aug. 88 p877-887.

Viscous flow

Effect of Walls in Modeling Flow Through Porous Media, Craig W. Somerton and Patricia Wood, HY Dec. 88 p1431-1448.

Vortices

Air Transport in Vortex-Flow Drop-shafts, Subhash C. Jain, HY Dec. 88 p1485-1497.

Discrete Vortex Model of Jet-Forced Flow Inside Circular Reservoir, A. G. L. Borthwick, J. R. Chaplin and K. H. M. Ali, HY Mar. 88 p283-298.

Walls

Effect of Walls in Modeling Flow Through Porous Media, Craig W. Somerton and Patricia Wood, HY Dec. 88 p1431-1448.

Waste sites

Application of Variably Saturated Flow Theory to Clay Cover Liners, Carol J. Miller and Steven J. Wright, HY Oct. 88 p1283-1300.

Wastewater disposal

Shoreline Impact from Ocean Waste Discharges, Robert C. Y. Koh, HY Apr. 88 p361-376.

Water distribution

Steady State Model for Dilution in Water Networks, Meelit Shah and Gideon Sinai, HY Feb. 88 p192-206.

Water flow

Meander Flow Model I: Development, A. Jacob Odgaard, HY Dec. 86 p1117-1136.

Turbulence Modeling of Surface Water Flow and Transport: Part I, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p970-991.

Turbulence Modeling of Surface Water Flow and Transport: Part II, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p992-1014.

Turbulence Modeling of Surface Water Flow and Transport: Part IV, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1034-1051.

Turbulence Modeling of Surface Water Flow and Transport: Part V, By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, HY Sept. 88 p1052-1073.

Water hammer

Effect of Valve-Closure Schedule on Water Hammer, P. H. Azoury, M. Baasiri and H. Najm, HY Oct. 86 p890-903.

Time-Marching Approach for Pipe Steady Flows, Masashi Shimada, HY Nov. 88 p1301-1320.

Water levels

Stochastic Dynamic Approach to Predict Water Levels in Estuaries, Paul G. J. ten Brummelhuis, Bartele de Jong and Arnold W. Heemink, HY Nov. 88 p1339-1358.

Water purification

Alternative Water Screening for Thermal Power Plants, R. T. Richards, HY June 88 p578-597.

Water quality

Advective Acceleration and Mass Transport in Estuaries, Wu-Seng Lung, HY Sept. 86 p874-878.

Steady State Model for Dilution in Water Networks, Meelit Shah and Gideon Sinai, HY Feb. 88 p192-206.

Water surface profiles

Distribution Channels, W. H. Hager and P. U. Volkart, HY Oct. 86 p935-952.

Watersheds

Kinematic Wave Routing and Computational Error, T. V. Hromadka, II. and J. J. DeVries, HY Feb. 88 p207-217.

Wave propagation

Model for Flood Propagation on Initially Dry Land, Abiola A. Akanbi and Nikolaos D. Katopodes, HY July 88 p689-706.

Weirs

Generalized Rectangular Weir Equations, Prabhata K. Swamee, HY Aug. 88 p945-949.

Plunging and Streaming Flows in Pool and Weir Fishways, Nallamuthu Rajaratnam, Christos Katopodis and Arbind Mainali, HY Aug. 88 p939-944.

Wells

Type Curves of Two-Regime Well Flow, Zekâi Sen, HY Dec. 88 p1461-1484.

Wind forces

Surface Films and Mixing in Two-Layer Fluid, Andreas Dittrich, HY Nov. 88 p1359-1375.

Wind velocity

Two Characteristic Features of the Airflow Boundary Layer over Sand, Jim Wu, HY Oct. 86 p976-978.

Yield stress

Laboratory Analysis of Mudflow Properties, Jim S. O'Brien and Pierre Y. Julien, HY Aug. 88 p877-887.

AUTHOR INDEX

Adams, J. Rodgers
see Bhowmik, Nani G., HY Oct. 86, p967-970

Akanbi, Abiola A.
Model for Flood Propagation on Initially Dry Land, with Nikolaos D. Katopodes, HY July 88, p689-706

Albertson, Maurice L.
see Khosrowpanah, Shahram, HY Mar. 88, p299-314

Ali, K. H. M.
see Borthwick, A. G. L., HY Mar. 88, p283-298

Al-Nassri, Sabah
see McBean, Edward A., HY Jan. 88, p63-74

Anderson, M. R.
Design and Operation of Angled-Screen Intake, with J. A. DiVito and Y. G. Mussalli, HY June 88, p598-615

Ashkar, Fahim
see Bobée, Bernard, HY Aug. 88, p899-909

Azoury, P. H.
Effect of Valve-Closure Schedule on Water Hammer, with M. Baasiri and H. Najm, HY Oct. 86, p890-903
disc: E. Ruus and B. W. Karney, HY May 88 p562-563
disc: Massimo Greco, Bruno Brunare and Umberto M. Golia, HY May 88, p563-565

Baasiri, M.
see Azoury, P. H., HY Oct. 86, p890-903

Babarutsi, Sofia
see Chu, Vincent H., HY Oct. 88, p1257-1274

Balloffet, Armando
disc. (of Unsteady Flow Simulation for an Ice-Covered River, by Poojitha D. Yapa and Hung Tao Shen, HY Nov. 86, p1036-1049), HY Mar. 88, p355-358

Balogun, O. S.
Automatic Control of Canal Flow Using Linear Quadratic Regulator Theory, with M. Hubbard and J. J. DeVries, HY Jan. 88, p75-102

Bhowmik, Nani G.
Fate of Navigation Pool on Mississippi River, with J. Rodgers Adams and Richard E. Sparks, HY Oct. 86, p967-970
disc: Mohammad Akram Gill, HY Aug. 88, p953
clo: HY Aug. 88, p953-954
see Demissie, Misganaw, HY Aug. 88, p844-860

Billi, G.
see Monismith, S., HY Sept. 88, p1134-1152

Blaisdell, Fred W.
disc. (of Do Critical Stresses for Incipient Motion and Erosion Really Exist?, by J. William Lavelle and Harold O. Mofjeld, HY Mar. 87, p370-385), HY Aug. 88, p960-962

Bliek, Abraham J.
see de Groot, Maarten B., HY Oct. 88, p1227-1240

Bloss, Siegfried
Modeling Turbulent Transport in Stratified Estuary, with Rainer Lehfeldt and John C. Patterson, HY Sept. 88, p1115-1133

Bobée, Bernard
Generalized Method of Moments Applied to LP3 Distribution, with Fahim Ashkar, HY Aug. 88, p899-909

Bogner, William C.
see Demissie, Misganaw, HY Aug. 88, p844-860

Booij, Robert
disc. (of Coriolis Generated Secondary Currents in Channels, by Rolf Larsson, HY Aug. 86, p750-767), HY Mar. 88, p348-350

Borah, Deva K.
disc. (of Armoring and Sorting Simulation in Alluvial Rivers, by M. Fazle Karim and Forrest M. Holly, HY Aug. 86, p705-715), HY Mar. 88, p344-346

Borthwick, A. G. L.
Discrete Vortex Model of Jet-Forced Flow Inside Circular Reservoir, with J. R. Chaplin and K. H. M. Ali, HY Mar. 88, p283-298

Bowers, C. Edward
Karnafuli Project, Model Studies of Spillway Damage, with Joel Toso, HY May 88, p469-483
see Toso, Joel W., HY Aug. 88, p829-843

Bradley, Jeffrey B.
disc. (of Kinematic Properties of Mudflows on Mt. St. Helens, by Theodore E. Lang and Jimmie D. Dent, HY May 87, p646-660), HY Dec. 88, p1538-1539

Bremen, Roger
see Hager, Willi H., HY nov. 88, p1390-1397

Brocard, Dominique N.
Modeling and Optimization of Fixed-Nozzle Targeted Chlorination, with Yusuf Mussalli and Winston Chow, HY May 88, p544-556

Brunare, Bruno
see Greco, Massimo, (disc), HY May 88, p563-565

By the ASCE Task Committee on Turbulence Models in Hydraulic Computations, (Keith Bedford, chmn.)
Turbulence Modeling of Surface Water Flow and Transport: Part I, HY Sept. 88, p970-991
Turbulence Modeling of Surface Water Flow and Transport: Part II, HY Sept. 88, p992-1014
Turbulence Modeling of Surface Water Flow and Transport: Part III, HY Sept. 88, p1015-1033
Turbulence Modeling of Surface Water Flow and Transport: Part IV, HY Sept. 88, p1034-1051
Turbulence Modeling of Surface Water Flow and Transport: Part V, HY Sept. 88, p1052-1073

Carballada, Luis B.
see Ramamurthy, Amruthur S., HY Dec. 88, p1449-1460

Cecilio, C. B.
disc. (of Dam-Breach Flood Wave Models, by Ralph A. Wurbs, HY Jan. 87, p29-46), HY May 88, p567-569

Celik, Ismail
Modeling Suspended Sediment Transport in Non-Equilibrium Situations, with Wolfgang Rodi, HY Oct. 88, p1157-1191

Cermak, Jack E.
see Janin, Luc F., (disc), HY Feb. 88, p232-233

Chang, Howard H.
Computer-Aided Design for Channelization, with Zbig Osmolski, HY nov. 88, p1377-1389

Chaplin, J. R.
see Borthwick, A. G. L., HY Mar. 88, p283-298

Chaudhry, M. Hanif
see Jiménez, Oscar F., HY Apr. 88, p377-395

Chen, Cheng-lung
General Solutions for Viscoplastic Debris Flow, HY Mar. 88, p259-282
Generalized Viscoplastic Modeling of Debris Flow, HY Mar. 88, p237-258

Chitale, Shrikrishna V.
Common Behavioral Trends in Alluvial Canals and Rivers, HY Jan. 88, p54-62

Chiu, Chao-Lin
Entropy and 2-D Velocity Distribution in Open Channels, HY July 88, p738-756

Chow, Winston
see Brocard, Dominique N., HY May 88, p544-556

Chu, Vincent H.
Confinement and Bed-Friction Effects in Shallow Turbulent Mixing Layers, with Sofia Babarutsi, HY Oct. 88, p1257-1274

Cofer-Shabica, Stephen V.
see Wang, John D., HY Sept. 88, p1098-1114

Coleman, Neil L.
see Parker, Gary, HY May 86, p356-375

Colosimo, Carlo
Friction Factor Evaluation in Gravel-Bed Rivers, with Vito A. Copertino and Massimo Veltri, HY Aug. 88, p861-876

Copertino, Vito A.
see Colosimo, Carlo, HY Aug. 88, p861-876

Daily, James
Lessons from a Career in Hydraulics, HY Sept. 86, p779-793
err: HY Feb. 88, p235

de Groot, Maarten B.
Critical Scour: New Bed Protection Design Method, with Abraham J. Bliek and Henk van Rossum, HY Oct. 88, p1227-1240

de Jong, Bartele
see ten Brummelhuis, Paul G. J., HY nov. 88, p1339-1358

Dembeck, John
see Edwards, Stephen J., HY June 88, p626-640

Demissie, Misganaw
Scour Channel Development After Spillway Failure, with Vassilios Tsihrintziz, William C. Bogner and Nani G. Bhowmik, HY Aug. 88, p844-860

Dent, Jimmie D.
see Lang, Theodore E., HY May 87, p646-660

DeVantier, Bruce A.
Modeling Sediment-Induced Density Currents in Sedimentation Basins, with Bruce E. Larock, HY Jan. 87, p80-94
disc: Scott A. Wells, HY Aug. 88, p957-958
clo: HY Aug. 88, p958-960

DeVries, J. J.
see Balogun, O. S., HY Jan. 88, p75-102
see Hromadka, T. V., II., HY Feb. 88, p207-217

Di Monaco, A.
disc. (of Dam-Breach Flood Wave Models, by Ralph A. Wurbs, HY Jan. 87, p29-46) with P. Molinaro, HY May 88, p565-567

Diplas, Panayiotis
Bedload Transport in Gravel-Bed Streams, HY Mar. 87, p277-292
disc: Peter Engel, HY Dec. 88, p1535-1536
clo: HY Dec. 88, p1536-1537
Sampling Techniques for Gravel Sized Sediments, with Alex J. Sutherland, HY May 88, p484-501

Dittrich, Andreas
Surface Films and Mixing in Two-Layer Fluid, HY nov. 88, p1359-1375

DiVito, J. A.
see Anderson, M. R., HY June 88, p598-615

Edwards, Stephen J.
Effectiveness of Angled-Screen Intake System, with John Dembeck, Thomas E. Pease, Michael J. Skelly and David Rengert, HY June 88, p626-640

Elliott, R. V.
see Raithby, G. D., HY July 88, p720-737

Engel, Peter
disc. (of Bedload Transport in Gravel-Bed Streams, by Panayiotis Diplas, HY Mar. 87, p277-292), HY Dec. 88, p1535-1536

Ettema, Robert
see Johnson, J. Craig, HY June 88, p662-674

Fatt, Joycelyn Chin
see Wang, John D., HY Sept. 88, p1098-1114

Fiuzat, A. A.
see Khosrowpanah, Shahram, HY Mar. 88, p299-314

Garde, Ramchandra J.
see Samaga, Belle R., HY Nov. 86, p1019-1035

Gill, Mohammad Akram
disc. (of Fate of Navigation Pool on Mississippi River, by Nani G. Bhowmik, J. Rodgers Adams and Richard E. Sparks, HY Oct. 86, p967-970), HY Aug. 88, p953

Golia, Umberto M.
see Greco, Massimo, (disc), HY May 88, p563-565

Goode, Daniel J.
Groundwater Velocity Magnitude in Radionuclide Transport Calculations, HY Aug. 88, p933-939

Greco, Massimo
disc. (of Effect of Valve-Closure Schedule on Water Hammer, by P. H. Azoury, M. Baasiri and H. Najm, HY Oct. 86, p890-903) with Bruno Brunare and Umberto M. Golia, HY May 88, p563-565

Hager, W. H.
Distribution Channels, with P. U. Volkart, HY Oct. 86, p935-952
err: HY Feb. 88, p235

Hager, Willi H.
Plane Gate on Standard Spillway, with Roger Bremen, HY nov. 88, p1390-1397

Heemink, Arnold W.
see ten Brummelhuis, Paul G. J., HY nov. 88, p1339-1358

Heggen, Richard J.
Choke Angle in Supercritical Contractions, HY Apr. 88, p441-444

Hey, Richard D.
Bar Form Resistance in Gravel-Bed Rivers, HY Dec. 88, p1498-1508
Stable Channels with Mobile Gravel Beds, with Colin R. Thorne, HY Aug. 86, p671-689
disc: C. R. Neill, HY Mar. 88, p339-341
clo: HY Mar. 88, p342-344

Hocking, Graeme C.
Algorithm for Selective Withdrawal From Stratified Reservoir, with Bradford S. Sherman and John C. Patterson, HY July 88, p707-719

Holly, Forrest M.
see Karim, M. Fazle, HY Aug. 86, p705-715

Holsapple, John G.
see Matousek, John A., HY June 88, p641-650

Holtorff, Gerd
disc. (of Suspended Load Transport of Sediment Mixtures, by Belle R. Samaga, Kittur G. Ranga Raju and Ramchandra J. Garde, HY Nov. 86, p1019-1035), HY Mar. 88, p351-354

Hromadka, T. V., II.
Kinematic Wave Routing and Computational Error, with J. J. DeVries, HY Feb. 88, p207-217

Hubbard, M.
see Balogun, O. S., HY Jan. 88, p75-102

Hutchinson, B. R.
see Raithby, G. D., HY July 88, p720-737

Imam, Emad H.
Optimal Jet-Mixer for Shallow Basins, with Abdelkawi Khalifa and John A. McCorquodale, HY nov. 88, p1398-1415

Imberger, J.
see Monismith, S., HY Sept. 88, p1134-1152

Jain, Subhash C.
Air Transport in Vortex-Flow Drop-shafts, HY Dec. 88, p1485-1497
see Kennedy, John F., HY Mar. 88, p315-325

Janin, Luc F.
disc. (of Two Characteristic Features of the Airflow Boundary Layer over Sand, by Jim Wu, HY Oct. 86, p976-978) with Jack E. Cermak, HY Feb. 88, p232-233

Jiang, Shuhai
Turbulent Boundary Layers in Vertical Curves, HY July 88, p783-797

Jiménez, Oscar F.
Computation of Supercritical Free-Surface Flows, with M. Hanif Chaudhry, HY Apr. 88, p377-395

Jirka, Gerhard
Third International Symposium on Stratified Flows, with E. John List, HY Feb. 88, p125-133

Johnson, J. Craig
Passive Intake System for Shallow Sand-Bed River, with Robert Ettema, HY June 88, p662-674

Johnson, Perry L.
Hydro-Power Intake Design Considerations, HY June 88, p651-661

Johnston, Archie J.
see Sobey, Rodney J., HY Aug. 88, p910-929

Joshi, Prakash B.
see Mehta, Ashish, HY nov. 88, p1321-1338

Julien, P. Y.
see Woo, H. S., HY Aug. 88, p888-898

Julien, Pierre Y.
disc. (of Simple Model of Sediment-Laden Flows, by Gary Parker and Neil L. Coleman, HY May 86, p356-375) with Yongqiang Lan, HY Feb. 88, p231-232
see O'Brien, Jim S., HY Aug. 88, p877-887

Karim, M. Fazle
Armoring and Sorting Simulation in Alluvial Rivers, with Forrest M. Holly, HY Aug. 86, p705-715
disc: Deva K. Borah, HY Mar. 88, p344-346
clo: HY Mar. 88, p346-347

Karney, B. W.
see Ruus, E., (disc), HY May 88, p562-563

Katopodes, Nikolaos D.
see Akanbi, Abiola A., HY July 88, p689-706

Katopodis, Christos
see Rajaratnam, Nallamuthu, HY Aug. 88, p939-944

Keane, Richard D.
see Sobey, Rodney J., HY Aug. 88, p910-929

Kennedy, John F.
Helicoidal-Tamp Dropshaft, with Subhash C. Jain and R. Rafael Quinones, HY Mar. 88, p315-325

Khalifa, Abdelkawi
see Imam, Emad H., HY nov. 88, p1398-1415

Khosrowpanah, Shahram
Experimental Study of Cross-Flow Turbine, with A. A. Fiuzat and Maurice L. Albertson, HY Mar. 88, p299-314

King, David A.
see Sturm, Terry W., HY nov. 88, p1416-1429

Knight, Arthur C. E.
Rationalized Energy-Loss Parameters for Channels, HY July 88, p757-765

Koh, Robert C. Y.
Shoreline Impact from Ocean Waste Discharges, HY Apr. 88, p361-376

Kraus, Nicholas C.
see Rosati, Julie Dean, HY Dec. 88, p1527-1532

Lai, Chintu
Comprehensive Method of Characteristics Models for Flow Simulation, HY Sept. 88, p1074-1097

Lan, Yongqiang
see Julien, Pierre Y., (disc), HY Feb. 88, p231-232

Lang, Theodore E.
Kinematic Properties of Mudflows on Mt. St. Helens, with Jimmie D. Dent, HY May 87, p646-660
disc: Jeffrey B. Bradley, HY Dec. 88, p1538-1539
clo: HY Dec. 88, p1540

Larock, Bruce E.
see DeVantier, Bruce A., HY Jan. 87, p80-94

Larsson, Rolf
Coriolis Generated Secondary Currents in Channels, HY Aug. 86, p750-767
disc: Robert Booij, HY Mar. 88, p348-350
clo: HY Mar. 88, p350-351

Lau, Y. Lam
Hydraulic Resistance of Ripples, HY Oct. 88, p1275-1282

Lavelle, J. William
Do Critical Stresses for Incipient Motion and Erosion Really Exist?, with Harold O. Mofjeld, HY Mar. 87, p370-385
disc: Fred W. Blaisdell, HY Aug. 88, p960-962
clo: HY Aug. 88, p962-963

Lehfeldt, Rainer
see Bloss, Siegfried, HY Sept. 88, p1115-1133

Lennon, Gerard P.
see Weisman, Richard N., HY May 88, p502-515

List, E. John
see Jirka, Gerhard, HY Feb. 88, p125-133

Lung, Wu-Seng
Advective Acceleration and Mass Transport in Estuaries, HY Sept. 86, p874-878
disc: Jerome Peng-Yea Maa and Flora Chu Wang, HY May 88, p559-561
clo: HY May 88, p561-562

Lyn, Dennis A.
Unsteady Sediment-Transport Modeling, HY Jan. 87, p1-15
disc: Michael A. Stevens, HY Aug. 88, p954-956
clo HY Aug. 88, p956

Maa, Jerome Peng-Yea
disc. (of Advective Acceleration and Mass Transport in Estuaries, by Wu-Seng Lung, HY Sept. 86, p874-878) with Flora Chu Wang, HY May 88, p559-561

McBean, Edward A.
Uncertainty in Suspended Sediment Transport Curves, with Sabah Al-Nassri, HY Jan. 88, p63-74

McCorquodale, John A.
see Imam, Emad H., HY nov. 88, p1398-1415

McCutcheon, Steve C.
disc. (of Meander Flow Model I: Development, by A. Jacob Odgaard, HY Dec. 86, p1117-1136), HY July 88, p819-821

Magazine, Mahraj K.
Effect of Bed and Side Roughness on Dispersion in Open Channels, with Santosh K. Pathak and Pramod K. Pande, HY July 88, p766-782

Mainali, Arbind
see Rajaratnam, Nallamuthu, HY Aug. 88, p939-944

Matousek, John A.
Biological Evaluation of Angled-Screen Test Facility, with Thomas E. Pease, John G. Holsapple and Ronald C. Roberts, HY June 88, p641-650

Mehta, Ashish
Tidal Inlet Hydraulics, with Prakash B. Joshi, HY nov. 88, p1321-1338

Mejia, Oscar
see Villegas, Fabio, HY Apr. 88, p396-408

Melville, B. W.
Design Method for Local Scour at Bridge Piers, with A. J. Sutherland, HY Oct. 88, p1210-1226

Micheletti, Wayne
see Mussali, Yusuf G., HY June 88, p675-688

Miller, Carol J.
Application of Variably Saturated Flow Theory to Clay Cover Liners, with Steven J. Wright, HY Oct. 88, p1283-1300

Mofjeld, Harold O.
see Lavelle, J. William, HY Mar. 87, p370-385

Molinaro, P.
see Di Monaco, A., (disc), HY May 88, p565-567

Monismith, S.
Shear Waves and Unsteady Selective Withdrawal, with J. Imberger and G. Billi, HY Sept. 88, p1134-1152

Muraoka, Kohji
see Otsubo, Kuninori, HY Oct. 88, p1241-1256

Mussali, Yusuf G.
Assessment of Developmental Needs for Advanced Intake Technologies, with Edward P. Taft and Wayne Micheletti, HY June 88, p675-688

Mussalli, Y. G.
see Anderson, M. R., HY June 88, p598-615

Mussalli, Yusuf
see Brocard, Dominique N., HY May 88, p544-556

Mussalli, Yusuf G.
Biofouling Control at Water Intake Structures, HY June 88, p616-625

Najm, H.
see Azoury, P. H., HY Oct. 86, p890-903

Neill, C. R.
disc. (of Stable Channels with Mobile Gravel Beds, by Richard D. Hey and Colin R. Thorne, HY Aug. 86, p671-689), HY Mar. 88, p339-341

O'Brien, Jim S.
Laboratory Analysis of Mudflow Properties, with Pierre Y. Julien, HY Aug. 88, p877-887

Odgaard, A. Jacob
Meander Flow Model I: Development, HY Dec. 86, p1117-1136
disc: Steve C. McCutcheon, HY July 88, p819-821
clo: HY July 88, p821-822

O'Donnell, Terence
Improved Fitting for the Three-Parameter Muskingum Procedure, with Charles P. Pearson and Ross A. Woods, HY May 88, p516-528

Osman, Akode M.
Riverbank Stability Analysis: I: Theory, with Colin R. Thorne, HY Feb. 88, p134-150
see Thorne, Colin R., HY Feb. 88, p151-172

Osmolski, Zbig
see Chang, Howard H., HY nov. 88, p1377-1389

Otsubo, Kuninori
Critical Shear Stress of Cohesive Bottom Sediments, with Kohji Muraoka, HY Oct. 88, p1241-1256

Pande, Pramod K.
see Magazine, Mahraj K., HY July 88, p766-782

Parker, Gary
Simple Model of Sediment-Laden Flows, with Neil L. Coleman, HY May 86, p356-375
disc: Pierre Y. Julien and Yongqiang Lan, HY Feb. 88, p231-232

Pathak, Santosh K.
see Magazine, Mahraj K., HY July 88, p766-782

Patterson, John C.
see Bloss, Siegfried, HY Sept. 88, p1115-1133
see Hocking, Graeme C., HY July 88, p707-719

Pearson, Charles P.
see O'Donnell, Terence, HY May 88, p516-528

Pease, Thomas E.
see Edwards, Stephen J., HY June 88, p626-640
see Matousek, John A., HY June 88, p641-650

Prinos, Panagiotis
Turbulence Measurements in Smooth and Rough-Walled Trapezoidal Ducts, with Stavros Tavoularis and Ron Townsend, HY Jan. 88, p43-53

Pugh, F. J.
see Wilson, K. C., HY July 88, p806-810

Quinones, R. Rafael
see Kennedy, John F., HY Mar. 88, p315-325

Rainwater, Kenneth A.
Cation Exchange in Groundwater Solute Transport, HY Feb. 88, p173-191

Raithby, G. D.
Prediction of Three-Dimensional Thermal Discharge Flows, with R. V. Elliott and B. R. Hutchinson, HY July 88, p720-737

Rajaratnam, Nallamuthu
Plunging and Streaming Flows in Pool and Weir Fishways, with Christos Katopodis and Arbind Mainali, HY Aug. 88, p939-944

Ramamurthy, Amruthur S.
Combining Open Channel Flow at Right Angled Junctions, with Luis B. Carballada and Duc Minh Tran, HY Dec. 88, p1449-1460
Division of Flow in Short Open Channel Branches, with Mysore G. Satish, HY Apr. 88, p428-438

Ranga Raju, Kittur G.
see Samaga, Belle R., HY Nov. 86, p1019-1035

Rengert, David
see Edwards, Stephen J., HY June 88, p626-640

Richards, R. T.
Alternative Water Screening for Thermal Power Plants, HY June 88, p578-597

Richardson, E. V.
see Woo, H. S., HY Aug. 88, p888-898

Roberts, Edward W.
see Weisman, Richard N., HY May 88, p502-515

Roberts, Ronald C.
see Matousek, John A., HY June 88, p641-650

Rodi, Wolfgang
see Celik, Ismail, HY Oct. 88, p1157-1191

Rosati, Julie Dean
Hydraulic Test of Streamer Sediment Trap, with Nicholas C. Kraus, HY Dec. 88, p1527-1532

Ruus, E.
disc. (of Effect of Valve-Closure Schedule on Water Hammer, by P. H. Azoury, M. Baasiri and H. Najm, HY Oct. 86, p890-903) with B. W. Karney, HY May 88, p562-563

Sabol, George V.
Clark Unit Hydrograph and *R*-Parameter Estimation, HY Jan. 88, p103-111

Samaga, Belle R.
Suspended Load Transport of Sediment Mixtures, with Kittur G. Ranga Raju and Ramchandra J. Garde, HY Nov. 86, p1019-1035
disc: Gerd Holtorff, HY Mar. 88, p351-354
clo: HY Mar. 88, p354

Satish, Mysore G.
see Ramamurthy, Amruthur S., HY Apr. 88, p428-438

Savenije, H. H. G.
Influence of Rain and Evaporation on Salt Intrusion in Estuaries, HY Dec. 88, p1509-1524

Scarlatos, Panagiotis D.
see Singh, Vijay P., HY Jan. 88, p21-42

Schladow, S. Geoffrey
Simulation of the Dynamics of a Double-Diffusive System, HY Jan. 88, p1-20

Schmalz, Richard A., Jr.
Small Grid Testing of Finite Difference Transport Schemes, HY Mar. 88, p329-336

Schoellhamer, David H.
Two-Dimensional Lagrangian Simulation of Suspended Sediment, HY Oct. 88, p1192-1201

Sen, Zekâi
Type Curves of Two-Regime Well Flow, HY Dec. 88, p1461-1484

Shah, Meelit
Steady State Model for Dilution in Water Networks, with Gideon Sinai, HY Feb. 88, p192-206

Shen, Hung Tao
Oil Slick Transport in Rivers, with Poojitha D. Yapa, HY May 88, p529-543
see Yapa, Poojitha D., HY Nov. 86, p1036-1049

Sherman, Bradford S.
see Hocking, Graeme C., HY July 88, p707-719

Shimada, Masashi
Time-Marching Approach for Pipe Steady Flows, HY nov. 88, p1301-1320

Shuguang, Li
Gravity-Affected Potential Flows Past Spillway Flip Buckets, with Liang Zhengxiang, HY Apr. 88, p409-427

Sinai, Gideon
see Shah, Meelit, HY Feb. 88, p192-206

Singh, Kulwant
see Singh, Vijay P., HY Jan. 88, p112-122

Singh, Vijay P.
Analysis of Gradual Earth-Dam Failure, with Panagiotis D. Scarlatos, HY Jan. 88, p21-42
Parameter Estimation for Log-Pearson Type III Distribution by POME, with Kulwant Singh, HY Jan. 88, p112-122

Skelly, Michael J.
see Edwards, Stephen J., HY June 88, p626-640

Sobey, Rodney J.
Horizontal Round Buoyant Jet in Shallow Water, with Archie J. Johnston and Richard D. Keane, HY Aug. 88, p910-929

Somerton, Craig W.
Effect of Walls in Modeling Flow Through Porous Media, with Patricia Wood, HY Dec. 88, p1431-1448

Sparks, Richard E.
see Bhowmik, Nani G., HY Oct. 86, p967-970

Stevens, Michael A.
disc. (of Unsteady Sediment-Transport Modeling, by Dennis A. Lyn, HY Jan. 87, p1-15), HY Aug. 88, p954-956

Sturm, Terry W.
Shape Effects on Flow Resistance in Horseshoe Conduits, with David A. King, HY nov. 88, p1416-1429

Sutherland, A. J.
see Melville, B. W., HY Oct. 88, p1210-1226

Sutherland, Alex J.
see Diplas, Panayiotis, HY May 88, p484-501

Swamee, Prabhata K.
Generalized Rectangular Weir Equations, HY Aug. 88, p945-949

Taft, Edward P.
see Mussali, Yusuf G., HY June 88, p675-688

Tavoularis, Stavros
see Prinos, Panagiotis, HY Jan. 88, p43-53

ten Brummelhuis, Paul G. J.
Stochastic Dynamic Approach to Predict Water Levels in Estuaries, with Bartele de Jong and Arnold W. Heemink, HY nov. 88, p1339-1358

Thorne, Colin R.
Riverbank Stability Analysis. II: Applications, with Akode M. Osman, HY Feb. 88, p151-172
see Hey, Richard D., HY Aug. 86, p671-689
see Osman, Akode M., HY Feb. 88, p134-150

Toso, Joel
see Bowers, C. Edward, HY May 88, p469-483

Toso, Joel W.
Extreme Pressures in Hydraulic-Jump Stilling Basins, with C. Edward Bowers, HY Aug. 88, p829-843

Townsend, Ron
see Prinos, Panagiotis, HY Jan. 88, p43-53

Tran, Duc Minh
see Ramamurthy, Amruthur S., HY Dec. 88, p1449-1460

Tsihrintziz, Vassilios
see Demissie, Misganaw, HY Aug. 88, p844-860

Ulrich, T.
Stability of Rock Protection on Slopes, HY July 87, p879-891
err: HY Feb. 88, p235

Uyumaz, Ali
Scour Downstream of Vertical Gate, HY July 88, p811-816

van Rossum, Henk
see de Groot, Maarten B., HY Oct. 88, p1227-1240

Veltri, Massimo
see Colosimo, Carlo, HY Aug. 88, p861-876

Villegas, Fabio
Diversion Conduit and Low-Level Outlet for Punchiná Dam, with Oscar Mejia, HY Apr. 88, p396-408

Volkart, P. U.
see Hager, W. H., HY Oct. 86, p935-952

Walker, John F.
General Two-Point Method for Determining Velocity in Open Channel, HY July 88, p801-805

Wang, Flora Chu
see Maa, Jerome Peng-Yea, (disc), HY May 88, p559-561

Wang, John D.
Finite Element Characteristic Advection Model, with Stephen V. Cofer-Shabica and Joycelyn Chin Fatt, HY Sept. 88, p1098-1114

Weisman, Richard N.
Experiment on Fluidization in Unbounded Domains, with Gerard P. Lennon and Edward W. Roberts, HY May 88, p502-515

Wells, Scott A.
disc. (of Modeling Sediment-Induced Density Currents in Sedimentation Basins, by Bruce A. DeVantier and Bruce E. Larock, HY Jan. 87, p80-94), HY Aug. 88, p957-958

Wilkinson, David L.
Avoidance of Seawater Intrusion into Ports of Ocean Outfalls, HY Feb. 88, p218-228

Wilson, K. C.
Dispersive Force Basis for Concentration Profiles, with F. J. Pugh, HY July 88, p806-810

Woo, H. S.
Suspension of Large Concentrations of Sands, with P. Y. Julien and E. V. Richardson, HY Aug. 88, p888-898

Wood, Patricia
see Somerton, Craig W., HY Dec. 88, p1431-1448

Woods, Ross A.
see O'Donnell, Terence, HY May 88, p516-528

Wright, Steven J.
see Miller, Carol J., HY Oct. 88, p1283-1300

Wu, Jim
Two Characteristic Features of the Airflow Boundary Layer over Sand, HY Oct. 86, p976-978
disc: Luc F. Janin and Jack E. Cermak, HY Feb. 88, p232-233
clo: HY Feb. 88, p233-234

Wurbs, Ralph A.
Dam-Breach Flood Wave Models, HY Jan. 87, p29-46
disc: A. Di Monaco and P. Molinaro, HY May 88, p565-567
disc: C. B. Cecilio, HY May 88, p567-569
clo: HY May 88, p569

Yapa, Poojitha D.
Unsteady Flow Simulation for an Ice-Covered River, with Hung Tao Shen, HY Nov. 86, p1036-1049
disc: Armando Balloffet, HY Mar. 88, p355-358
clo: HY Mar. 88, p358
see Shen, Hung Tao, HY May 88, p529-543

Zhengxiang, Liang
see Shuguang, Li, HY Apr. 88, p409-427